# Results for h50d30.csv

## max\_vehicles = 3

**Total distance = 746.92**Vehicle total idle time = 0.00  
Customer total wait time = 23874.85

## max\_vehicles = 4

**Total distance = 822.74**Vehicle total idle time = 0.00  
Customer total wait time = 21992.61

## max\_vehicles = 5

**Total distance = 1006.74**Vehicle total idle time = 0.00  
Customer total wait time = 19699.61

## Summary of total distances

• max\_vehicles = 3 → total\_distance = 746.92

• max\_vehicles = 4 → total\_distance = 822.74

• max\_vehicles = 5 → total\_distance = 1006.74

Using device: cpu

=== Processing h50d10.csv ===

--- Training with max\_vehicles = 3 ---

Ep 1/50 | Reward 5015.74 | Loss 684742702.53 | Dist 838.03 | Vehl 3

Vehicle 0: Route=[0, 49, 11, 37, 2, 1, 3, 4, 5, 14, 44, 6, 7, 8, 34, 39, 41, 17, 25, 27, 12, 18, 22, 9, 10, 29, 43, 0], Distance=327.28, RemCap=1.0

Vehicle 1: Route=[0, 33, 42, 16, 20, 40, 21, 30, 36, 23, 32, 47, 28, 48, 0], Distance=250.76, RemCap=221.0

Vehicle 2: Route=[0, 35, 13, 46, 15, 24, 31, 38, 45, 26, 50, 19, 0], Distance=259.98, RemCap=289.0

Total vehicle waiting time = 108.21

Total customer waiting time = 17383.02

--------------------------------------------------

Ep 2/50 | Reward 4526.43 | Loss 501663014.25 | Dist 797.35 | Vehl 3

Vehicle 0: Route=[0, 35, 24, 46, 15, 10, 9, 29, 43, 45, 32, 39, 8, 48, 7, 6, 44, 25, 17, 5, 33, 2, 1, 3, 4, 19, 0], Distance=294.03, RemCap=0.0

Vehicle 1: Route=[0, 50, 42, 41, 26, 34, 31, 38, 18, 30, 40, 16, 11, 13, 37, 0], Distance=266.69, RemCap=267.0

Vehicle 2: Route=[0, 27, 23, 22, 36, 12, 21, 20, 49, 14, 28, 47, 0], Distance=236.63, RemCap=244.0

Total vehicle waiting time = 391.67

Total customer waiting time = 25098.30

--------------------------------------------------

Ep 3/50 | Reward 4526.48 | Loss 507272867.25 | Dist 811.21 | Vehl 3

Vehicle 0: Route=[0, 32, 41, 17, 49, 20, 11, 1, 3, 4, 2, 33, 5, 14, 6, 7, 8, 45, 10, 9, 22, 15, 18, 12, 36, 27, 23, 0], Distance=327.58, RemCap=15.0

Vehicle 1: Route=[0, 35, 43, 29, 31, 21, 13, 37, 50, 44, 47, 39, 34, 28, 48, 26, 0], Distance=282.14, RemCap=164.0

Vehicle 2: Route=[0, 46, 30, 24, 38, 25, 42, 19, 16, 40, 0], Distance=201.49, RemCap=332.0

Total vehicle waiting time = 155.60

Total customer waiting time = 22650.68

--------------------------------------------------

Ep 4/50 | Reward 4354.24 | Loss 452840937.29 | Dist 787.23 | Vehl 3

Vehicle 0: Route=[0, 35, 30, 13, 49, 37, 1, 3, 4, 19, 42, 5, 33, 2, 17, 41, 31, 38, 10, 9, 43, 39, 6, 7, 8, 48, 0], Distance=280.87, RemCap=13.0

Vehicle 1: Route=[0, 25, 50, 16, 11, 21, 22, 29, 24, 27, 32, 47, 28, 26, 0], Distance=253.36, RemCap=196.0

Vehicle 2: Route=[0, 20, 40, 46, 18, 15, 12, 36, 23, 45, 34, 14, 44, 0], Distance=253.00, RemCap=302.0

Total vehicle waiting time = 334.46

Total customer waiting time = 25372.92

--------------------------------------------------

Ep 5/50 | Reward 4503.28 | Loss 474792472.66 | Dist 789.99 | Vehl 3

Vehicle 0: Route=[0, 35, 30, 36, 27, 23, 10, 9, 29, 45, 8, 26, 7, 6, 44, 5, 19, 4, 3, 1, 2, 17, 50, 37, 40, 0], Distance=281.71, RemCap=2.0

Vehicle 1: Route=[0, 24, 22, 15, 18, 21, 12, 11, 16, 33, 14, 47, 39, 43, 32, 41, 25, 0], Distance=299.65, RemCap=213.0

Vehicle 2: Route=[0, 49, 42, 48, 28, 34, 31, 38, 46, 13, 20, 0], Distance=208.63, RemCap=296.0

Total vehicle waiting time = 358.12

Total customer waiting time = 24571.26

--------------------------------------------------

Ep 6/50 | Reward 4357.45 | Loss 421326565.08 | Dist 795.13 | Vehl 3

Vehicle 0: Route=[0, 46, 30, 36, 10, 9, 29, 45, 34, 26, 8, 7, 6, 47, 25, 33, 5, 4, 3, 1, 2, 37, 16, 20, 13, 0], Distance=268.72, RemCap=0.0

Vehicle 1: Route=[0, 35, 32, 41, 28, 48, 42, 19, 11, 40, 18, 12, 22, 38, 31, 27, 0], Distance=272.76, RemCap=217.0

Vehicle 2: Route=[0, 49, 50, 17, 14, 44, 23, 24, 21, 15, 43, 39, 0], Distance=253.65, RemCap=294.0

Total vehicle waiting time = 413.89

Total customer waiting time = 27701.48

--------------------------------------------------

Ep 7/50 | Reward 4543.38 | Loss 484820825.48 | Dist 762.97 | Vehl 3

Vehicle 0: Route=[0, 25, 37, 1, 3, 4, 2, 33, 5, 14, 8, 7, 6, 32, 43, 29, 10, 9, 22, 36, 23, 27, 35, 46, 11, 13, 0], Distance=285.90, RemCap=10.0

Vehicle 1: Route=[0, 49, 17, 41, 44, 48, 26, 34, 39, 31, 15, 30, 20, 40, 16, 0], Distance=233.26, RemCap=219.0

Vehicle 2: Route=[0, 19, 42, 50, 24, 12, 21, 18, 38, 45, 28, 47, 0], Distance=243.81, RemCap=282.0

Total vehicle waiting time = 266.07

Total customer waiting time = 22873.15

--------------------------------------------------

Ep 8/50 | Reward 4539.00 | Loss 483049744.28 | Dist 841.54 | Vehl 3

Vehicle 0: Route=[0, 32, 28, 6, 7, 8, 34, 45, 43, 29, 9, 10, 24, 30, 21, 46, 40, 49, 1, 3, 4, 5, 2, 50, 17, 44, 0], Distance=359.83, RemCap=14.0

Vehicle 1: Route=[0, 35, 12, 15, 22, 38, 31, 23, 27, 47, 48, 41, 19, 11, 13, 0], Distance=245.33, RemCap=235.0

Vehicle 2: Route=[0, 25, 33, 42, 14, 26, 39, 36, 18, 20, 16, 37, 0], Distance=236.38, RemCap=262.0

Total vehicle waiting time = 291.69

Total customer waiting time = 24020.47

--------------------------------------------------

Ep 9/50 | Reward 4318.99 | Loss 429159842.40 | Dist 795.93 | Vehl 3

Vehicle 0: Route=[0, 50, 37, 2, 1, 3, 4, 5, 44, 6, 7, 48, 8, 28, 47, 32, 10, 9, 27, 30, 46, 13, 11, 16, 20, 0], Distance=261.45, RemCap=1.0

Vehicle 1: Route=[0, 41, 39, 26, 14, 33, 42, 19, 17, 49, 35, 24, 21, 15, 29, 31, 0], Distance=267.92, RemCap=183.0

Vehicle 2: Route=[0, 40, 25, 34, 45, 43, 38, 22, 23, 36, 18, 12, 0], Distance=266.55, RemCap=327.0

Total vehicle waiting time = 338.95

Total customer waiting time = 26158.24

--------------------------------------------------

Ep 10/50 | Reward 4401.24 | Loss 461180561.21 | Dist 822.62 | Vehl 3

Vehicle 0: Route=[0, 41, 34, 26, 8, 7, 6, 44, 2, 5, 42, 19, 4, 3, 1, 16, 20, 46, 24, 27, 23, 31, 10, 9, 12, 18, 0], Distance=304.49, RemCap=10.0

Vehicle 1: Route=[0, 32, 39, 28, 48, 17, 25, 50, 11, 40, 13, 35, 15, 38, 29, 0], Distance=271.71, RemCap=230.0

Vehicle 2: Route=[0, 49, 37, 33, 14, 47, 45, 43, 36, 30, 21, 22, 0], Distance=246.43, RemCap=271.0

Total vehicle waiting time = 33.80

Total customer waiting time = 21877.13

--------------------------------------------------

Ep 11/50 | Reward 4482.57 | Loss 472453881.56 | Dist 786.13 | Vehl 3

Vehicle 0: Route=[0, 27, 24, 35, 13, 49, 50, 17, 37, 1, 3, 4, 42, 5, 2, 44, 7, 8, 26, 6, 32, 10, 29, 9, 18, 21, 15, 0], Distance=335.29, RemCap=1.0

Vehicle 1: Route=[0, 23, 34, 45, 43, 31, 22, 46, 11, 16, 19, 33, 14, 41, 25, 0], Distance=262.78, RemCap=210.0

Vehicle 2: Route=[0, 20, 40, 30, 12, 36, 38, 39, 47, 48, 28, 0], Distance=188.06, RemCap=300.0

Total vehicle waiting time = 247.01

Total customer waiting time = 25712.88

--------------------------------------------------

Ep 12/50 | Reward 4306.52 | Loss 435234612.49 | Dist 785.41 | Vehl 3

Vehicle 0: Route=[0, 41, 47, 39, 28, 8, 7, 6, 44, 14, 5, 33, 4, 3, 1, 2, 17, 49, 35, 24, 46, 21, 18, 12, 10, 9, 43, 0], Distance=322.51, RemCap=3.0

Vehicle 1: Route=[0, 40, 16, 19, 42, 37, 50, 25, 48, 26, 34, 45, 36, 23, 0], Distance=238.65, RemCap=229.0

Vehicle 2: Route=[0, 13, 11, 20, 27, 32, 31, 38, 29, 22, 30, 15, 0], Distance=224.26, RemCap=279.0

Total vehicle waiting time = 144.97

Total customer waiting time = 22062.72

--------------------------------------------------

Ep 13/50 | Reward 4366.01 | Loss 459563771.58 | Dist 803.88 | Vehl 3

Vehicle 0: Route=[0, 49, 13, 20, 40, 46, 12, 18, 9, 10, 47, 8, 48, 7, 6, 44, 14, 50, 37, 2, 1, 3, 4, 42, 5, 33, 0], Distance=317.66, RemCap=7.0

Vehicle 1: Route=[0, 11, 16, 17, 41, 28, 26, 39, 32, 29, 15, 21, 36, 23, 35, 0], Distance=262.36, RemCap=233.0

Vehicle 2: Route=[0, 30, 24, 27, 25, 19, 34, 45, 43, 31, 38, 22, 0], Distance=223.86, RemCap=271.0

Total vehicle waiting time = 171.93

Total customer waiting time = 24179.75

--------------------------------------------------

Ep 14/50 | Reward 4358.56 | Loss 439258956.01 | Dist 853.22 | Vehl 3

Vehicle 0: Route=[0, 25, 17, 50, 37, 40, 1, 3, 4, 42, 5, 33, 2, 6, 7, 8, 34, 23, 24, 36, 15, 22, 9, 10, 31, 38, 0], Distance=308.43, RemCap=0.0

Vehicle 1: Route=[0, 27, 29, 43, 32, 41, 28, 26, 14, 16, 20, 30, 18, 12, 0], Distance=281.74, RemCap=255.0

Vehicle 2: Route=[0, 35, 46, 21, 11, 13, 49, 19, 44, 48, 47, 45, 39, 0], Distance=263.06, RemCap=256.0

Total vehicle waiting time = 372.82

Total customer waiting time = 23651.08

--------------------------------------------------

Ep 15/50 | Reward 4262.35 | Loss 420255739.59 | Dist 829.13 | Vehl 3

Vehicle 0: Route=[0, 25, 28, 39, 34, 8, 7, 6, 5, 33, 19, 4, 3, 1, 2, 50, 13, 30, 36, 38, 10, 29, 9, 21, 15, 0], Distance=317.71, RemCap=0.0

Vehicle 1: Route=[0, 35, 46, 20, 16, 11, 49, 17, 14, 44, 48, 26, 47, 45, 31, 22, 12, 0], Distance=244.88, RemCap=153.0

Vehicle 2: Route=[0, 37, 42, 40, 18, 24, 23, 43, 32, 41, 27, 0], Distance=266.54, RemCap=358.0

Total vehicle waiting time = 193.13

Total customer waiting time = 24652.91

--------------------------------------------------

Ep 16/50 | Reward 4819.81 | Loss 597952133.35 | Dist 803.86 | Vehl 3

Vehicle 0: Route=[0, 27, 24, 12, 36, 38, 10, 9, 29, 43, 32, 28, 34, 8, 48, 7, 6, 44, 41, 50, 2, 5, 4, 3, 1, 37, 13, 46, 0], Distance=284.03, RemCap=8.0

Vehicle 1: Route=[0, 25, 49, 16, 30, 21, 15, 22, 45, 39, 26, 14, 42, 17, 0], Distance=279.57, RemCap=233.0

Vehicle 2: Route=[0, 35, 47, 33, 19, 11, 20, 40, 18, 23, 31, 0], Distance=240.26, RemCap=270.0

Total vehicle waiting time = 8.91

Total customer waiting time = 21301.94

--------------------------------------------------

Ep 17/50 | Reward 4106.05 | Loss 402064405.69 | Dist 817.31 | Vehl 3

Vehicle 0: Route=[0, 50, 2, 19, 1, 3, 4, 42, 5, 14, 6, 7, 8, 47, 43, 38, 10, 9, 22, 15, 21, 20, 46, 35, 27, 36, 12, 0], Distance=341.69, RemCap=3.0

Vehicle 1: Route=[0, 49, 11, 18, 24, 23, 31, 29, 28, 26, 44, 41, 17, 33, 0], Distance=258.23, RemCap=222.0

Vehicle 2: Route=[0, 30, 13, 40, 16, 37, 25, 32, 48, 34, 39, 45, 0], Distance=217.38, RemCap=286.0

Total vehicle waiting time = 0.00

Total customer waiting time = 23100.98

--------------------------------------------------

Ep 18/50 | Reward 4327.41 | Loss 425176830.14 | Dist 770.91 | Vehl 3

Vehicle 0: Route=[0, 6, 7, 8, 28, 47, 32, 10, 29, 9, 22, 21, 30, 35, 16, 1, 3, 4, 42, 5, 33, 2, 50, 49, 0], Distance=296.99, RemCap=5.0

Vehicle 1: Route=[0, 27, 45, 39, 26, 48, 44, 14, 11, 20, 40, 46, 12, 18, 15, 36, 0], Distance=263.89, RemCap=243.0

Vehicle 2: Route=[0, 25, 17, 41, 34, 43, 38, 31, 23, 24, 13, 37, 19, 0], Distance=210.03, RemCap=263.0

Total vehicle waiting time = 246.39

Total customer waiting time = 24136.96

--------------------------------------------------

Ep 19/50 | Reward 4502.69 | Loss 476819218.36 | Dist 804.85 | Vehl 3

Vehicle 0: Route=[0, 13, 20, 1, 3, 4, 2, 5, 44, 48, 8, 7, 6, 41, 17, 50, 32, 45, 43, 29, 10, 9, 22, 18, 46, 30, 36, 38, 0], Distance=363.02, RemCap=0.0

Vehicle 1: Route=[0, 49, 37, 42, 14, 26, 47, 24, 12, 15, 21, 11, 16, 0], Distance=240.45, RemCap=274.0

Vehicle 2: Route=[0, 25, 35, 27, 23, 31, 39, 34, 28, 33, 19, 40, 0], Distance=201.38, RemCap=237.0

Total vehicle waiting time = 309.53

Total customer waiting time = 23897.93

--------------------------------------------------

Ep 20/50 | Reward 4626.66 | Loss 534933981.69 | Dist 771.93 | Vehl 3

Vehicle 0: Route=[0, 35, 46, 40, 16, 50, 2, 1, 3, 4, 33, 5, 14, 6, 7, 48, 8, 26, 34, 45, 43, 10, 9, 22, 30, 21, 18, 15, 0], Distance=343.04, RemCap=1.0

Vehicle 1: Route=[0, 13, 20, 11, 37, 49, 17, 32, 36, 31, 28, 44, 19, 0], Distance=240.94, RemCap=197.0

Vehicle 2: Route=[0, 25, 42, 41, 47, 39, 29, 38, 12, 24, 27, 23, 0], Distance=187.96, RemCap=313.0

Total vehicle waiting time = 225.71

Total customer waiting time = 24396.48

--------------------------------------------------

Ep 21/50 | Reward 4363.27 | Loss 434319893.16 | Dist 824.59 | Vehl 3

Vehicle 0: Route=[0, 49, 25, 39, 8, 48, 7, 6, 50, 2, 5, 42, 19, 4, 3, 1, 13, 20, 21, 12, 22, 9, 10, 36, 35, 0], Distance=307.80, RemCap=1.0

Vehicle 1: Route=[0, 17, 14, 33, 16, 40, 18, 15, 24, 23, 38, 45, 26, 47, 28, 0], Distance=276.89, RemCap=205.0

Vehicle 2: Route=[0, 30, 46, 11, 37, 44, 41, 32, 27, 31, 29, 43, 34, 0], Distance=239.91, RemCap=305.0

Total vehicle waiting time = 191.50

Total customer waiting time = 24403.31

--------------------------------------------------

Ep 22/50 | Reward 4116.76 | Loss 378569252.04 | Dist 756.77 | Vehl 3

Vehicle 0: Route=[0, 49, 13, 20, 11, 1, 3, 4, 2, 33, 5, 14, 17, 44, 6, 7, 48, 8, 45, 9, 10, 27, 35, 15, 18, 21, 46, 0], Distance=329.99, RemCap=1.0

Vehicle 1: Route=[0, 25, 41, 39, 23, 31, 38, 22, 24, 12, 30, 40, 16, 19, 0], Distance=237.35, RemCap=229.0

Vehicle 2: Route=[0, 36, 29, 43, 32, 34, 26, 28, 47, 42, 37, 50, 0], Distance=189.42, RemCap=281.0

Total vehicle waiting time = 187.91

Total customer waiting time = 25101.81

--------------------------------------------------

Ep 23/50 | Reward 4440.37 | Loss 449237479.43 | Dist 844.89 | Vehl 3

Vehicle 0: Route=[0, 50, 2, 1, 3, 4, 5, 14, 6, 7, 8, 26, 47, 43, 38, 10, 9, 22, 12, 30, 46, 20, 16, 49, 35, 24, 36, 0], Distance=306.04, RemCap=0.0

Vehicle 1: Route=[0, 11, 40, 21, 23, 31, 45, 34, 28, 48, 41, 17, 42, 19, 0], Distance=275.08, RemCap=229.0

Vehicle 2: Route=[0, 13, 37, 33, 44, 25, 27, 32, 39, 29, 15, 18, 0], Distance=263.77, RemCap=282.0

Total vehicle waiting time = 462.44

Total customer waiting time = 26155.15

--------------------------------------------------

Ep 24/50 | Reward 4191.33 | Loss 392652596.66 | Dist 771.82 | Vehl 3

Vehicle 0: Route=[0, 30, 15, 12, 24, 38, 10, 9, 43, 45, 39, 34, 8, 48, 7, 6, 41, 25, 2, 33, 5, 19, 4, 3, 1, 11, 40, 20, 0], Distance=304.07, RemCap=10.0

Vehicle 1: Route=[0, 35, 23, 31, 32, 26, 14, 17, 50, 49, 37, 16, 46, 18, 21, 0], Distance=273.42, RemCap=223.0

Vehicle 2: Route=[0, 13, 42, 44, 28, 47, 29, 22, 36, 27, 0], Distance=194.33, RemCap=278.0

Total vehicle waiting time = 252.63

Total customer waiting time = 26763.25

--------------------------------------------------

Ep 25/50 | Reward 4220.56 | Loss 414931854.61 | Dist 857.16 | Vehl 3

Vehicle 0: Route=[0, 35, 23, 26, 8, 7, 6, 14, 41, 17, 49, 37, 2, 33, 5, 4, 3, 1, 11, 13, 30, 21, 15, 22, 9, 10, 38, 0], Distance=342.49, RemCap=12.0

Vehicle 1: Route=[0, 27, 32, 39, 34, 48, 28, 47, 25, 42, 16, 18, 31, 29, 0], Distance=283.96, RemCap=202.0

Vehicle 2: Route=[0, 50, 19, 44, 45, 43, 24, 36, 12, 46, 40, 20, 0], Distance=230.72, RemCap=297.0

Total vehicle waiting time = 172.46

Total customer waiting time = 23954.77

--------------------------------------------------

Ep 26/50 | Reward 4567.42 | Loss 514429285.88 | Dist 835.86 | Vehl 3

Vehicle 0: Route=[0, 49, 40, 46, 18, 12, 36, 9, 10, 23, 27, 32, 34, 26, 8, 48, 7, 6, 14, 5, 33, 19, 4, 3, 1, 2, 50, 41, 0], Distance=317.57, RemCap=6.0

Vehicle 1: Route=[0, 35, 44, 42, 16, 11, 13, 30, 15, 22, 38, 31, 45, 39, 0], Distance=269.31, RemCap=250.0

Vehicle 2: Route=[0, 24, 47, 28, 43, 29, 21, 20, 37, 17, 25, 0], Distance=248.97, RemCap=255.0

Total vehicle waiting time = 0.00

Total customer waiting time = 19937.63

--------------------------------------------------

Ep 27/50 | Reward 4418.74 | Loss 445984312.08 | Dist 815.21 | Vehl 3

Vehicle 0: Route=[0, 32, 10, 9, 38, 23, 30, 35, 49, 16, 1, 3, 4, 19, 42, 5, 33, 2, 17, 41, 47, 34, 8, 26, 6, 7, 48, 0], Distance=285.46, RemCap=1.0

Vehicle 1: Route=[0, 40, 37, 50, 25, 44, 31, 29, 22, 18, 12, 46, 24, 27, 0], Distance=269.81, RemCap=235.0

Vehicle 2: Route=[0, 36, 21, 15, 43, 45, 39, 28, 14, 13, 20, 11, 0], Distance=259.94, RemCap=275.0

Total vehicle waiting time = 220.42

Total customer waiting time = 21887.38

--------------------------------------------------

Ep 28/50 | Reward 4325.88 | Loss 439625915.39 | Dist 795.38 | Vehl 3

Vehicle 0: Route=[0, 35, 13, 30, 18, 12, 36, 24, 31, 10, 9, 29, 43, 45, 41, 17, 2, 1, 3, 4, 33, 5, 7, 6, 47, 8, 26, 0], Distance=326.70, RemCap=7.0

Vehicle 1: Route=[0, 49, 37, 11, 20, 46, 27, 15, 22, 38, 39, 34, 28, 25, 50, 0], Distance=244.00, RemCap=233.0

Vehicle 2: Route=[0, 32, 48, 44, 14, 42, 19, 16, 40, 21, 23, 0], Distance=224.69, RemCap=271.0

Total vehicle waiting time = 101.53

Total customer waiting time = 23859.07

--------------------------------------------------

Ep 29/50 | Reward 4276.18 | Loss 422995533.63 | Dist 824.62 | Vehl 3

Vehicle 0: Route=[0, 49, 13, 16, 1, 3, 4, 2, 33, 5, 14, 8, 26, 7, 6, 41, 17, 37, 25, 27, 24, 36, 15, 9, 10, 38, 0], Distance=302.06, RemCap=2.0

Vehicle 1: Route=[0, 35, 22, 12, 30, 46, 11, 50, 42, 44, 47, 39, 45, 43, 29, 0], Distance=264.58, RemCap=271.0

Vehicle 2: Route=[0, 32, 31, 23, 18, 21, 40, 20, 19, 48, 34, 28, 0], Distance=257.98, RemCap=238.0

Total vehicle waiting time = 198.02

Total customer waiting time = 25845.11

--------------------------------------------------

Ep 30/50 | Reward 4319.09 | Loss 409869913.85 | Dist 869.02 | Vehl 3

Vehicle 0: Route=[0, 25, 17, 2, 1, 3, 4, 33, 5, 14, 44, 6, 7, 8, 47, 39, 45, 9, 10, 31, 36, 46, 40, 18, 12, 0], Distance=316.67, RemCap=3.0

Vehicle 1: Route=[0, 27, 23, 24, 21, 38, 34, 26, 42, 19, 16, 20, 49, 50, 37, 0], Distance=285.65, RemCap=218.0

Vehicle 2: Route=[0, 41, 48, 28, 32, 35, 13, 11, 30, 15, 22, 43, 29, 0], Distance=266.71, RemCap=290.0

Total vehicle waiting time = 266.45

Total customer waiting time = 24797.65

--------------------------------------------------

Ep 31/50 | Reward 4522.83 | Loss 486645017.30 | Dist 843.41 | Vehl 3

Vehicle 0: Route=[0, 41, 50, 37, 1, 3, 4, 2, 5, 14, 6, 7, 48, 8, 34, 28, 32, 45, 9, 10, 38, 23, 24, 27, 35, 46, 15, 18, 0], Distance=319.77, RemCap=13.0

Vehicle 1: Route=[0, 49, 11, 16, 42, 33, 25, 47, 26, 43, 31, 36, 30, 21, 22, 29, 0], Distance=329.11, RemCap=177.0

Vehicle 2: Route=[0, 12, 13, 20, 40, 19, 17, 39, 44, 0], Distance=194.53, RemCap=321.0

Total vehicle waiting time = 307.41

Total customer waiting time = 24656.06

--------------------------------------------------

Ep 32/50 | Reward 4543.34 | Loss 496747830.92 | Dist 787.27 | Vehl 3

Vehicle 0: Route=[0, 27, 32, 45, 34, 8, 47, 6, 7, 44, 14, 5, 42, 4, 3, 1, 2, 33, 41, 50, 13, 21, 18, 15, 12, 9, 10, 38, 23, 0], Distance=349.57, RemCap=1.0

Vehicle 1: Route=[0, 49, 37, 11, 40, 30, 24, 31, 29, 43, 39, 48, 28, 0], Distance=211.92, RemCap=241.0

Vehicle 2: Route=[0, 25, 17, 19, 16, 20, 46, 35, 36, 22, 26, 0], Distance=225.78, RemCap=269.0

Total vehicle waiting time = 97.80

Total customer waiting time = 19455.61

--------------------------------------------------

Ep 33/50 | Reward 4221.78 | Loss 387269540.78 | Dist 918.25 | Vehl 3

Vehicle 0: Route=[0, 27, 36, 21, 18, 22, 9, 10, 45, 32, 39, 8, 7, 6, 44, 14, 5, 42, 4, 3, 1, 40, 13, 46, 49, 2, 41, 0], Distance=372.48, RemCap=4.0

Vehicle 1: Route=[0, 30, 15, 24, 31, 38, 43, 25, 37, 11, 19, 17, 34, 26, 48, 0], Distance=311.55, RemCap=236.0

Vehicle 2: Route=[0, 20, 16, 33, 50, 47, 28, 29, 12, 35, 23, 0], Distance=234.23, RemCap=271.0

Total vehicle waiting time = 280.67

Total customer waiting time = 25621.70

--------------------------------------------------

Ep 34/50 | Reward 4643.81 | Loss 513451635.32 | Dist 815.19 | Vehl 3

Vehicle 0: Route=[0, 49, 50, 17, 32, 10, 9, 15, 46, 16, 1, 3, 4, 19, 2, 5, 14, 44, 7, 6, 28, 8, 34, 39, 0], Distance=294.34, RemCap=9.0

Vehicle 1: Route=[0, 24, 27, 45, 43, 29, 31, 22, 18, 21, 40, 11, 37, 33, 41, 48, 47, 0], Distance=302.13, RemCap=179.0

Vehicle 2: Route=[0, 25, 26, 42, 20, 13, 35, 30, 12, 36, 38, 23, 0], Distance=218.73, RemCap=323.0

Total vehicle waiting time = 257.06

Total customer waiting time = 23456.32

--------------------------------------------------

Ep 35/50 | Reward 4272.59 | Loss 414227578.57 | Dist 826.43 | Vehl 3

Vehicle 0: Route=[0, 32, 35, 46, 22, 9, 10, 31, 45, 39, 28, 26, 8, 7, 6, 44, 2, 5, 42, 4, 3, 1, 20, 13, 0], Distance=279.57, RemCap=1.0

Vehicle 1: Route=[0, 30, 21, 18, 12, 27, 23, 43, 34, 47, 48, 33, 19, 40, 49, 25, 0], Distance=297.38, RemCap=230.0

Vehicle 2: Route=[0, 24, 38, 29, 36, 15, 11, 16, 14, 41, 17, 50, 37, 0], Distance=249.48, RemCap=280.0

Total vehicle waiting time = 206.67

Total customer waiting time = 25656.35

--------------------------------------------------

Ep 36/50 | Reward 4133.72 | Loss 380173953.27 | Dist 778.70 | Vehl 3

Vehicle 0: Route=[0, 49, 2, 1, 3, 4, 5, 14, 17, 41, 6, 7, 8, 34, 39, 45, 43, 29, 10, 9, 22, 36, 24, 27, 32, 35, 30, 0], Distance=278.90, RemCap=7.0

Vehicle 1: Route=[0, 19, 42, 33, 44, 48, 25, 23, 38, 12, 21, 13, 11, 40, 16, 0], Distance=280.32, RemCap=226.0

Vehicle 2: Route=[0, 37, 50, 26, 28, 47, 31, 15, 18, 46, 20, 0], Distance=219.48, RemCap=278.0

Total vehicle waiting time = 302.29

Total customer waiting time = 26590.81

--------------------------------------------------

Ep 37/50 | Reward 4623.31 | Loss 495428153.58 | Dist 863.68 | Vehl 3

Vehicle 0: Route=[0, 23, 45, 29, 9, 10, 15, 12, 30, 35, 20, 16, 37, 1, 3, 4, 2, 33, 5, 48, 8, 7, 6, 28, 39, 41, 0], Distance=328.08, RemCap=0.0

Vehicle 1: Route=[0, 27, 24, 18, 11, 49, 25, 17, 19, 42, 14, 44, 47, 34, 32, 0], Distance=238.90, RemCap=216.0

Vehicle 2: Route=[0, 46, 40, 13, 50, 26, 43, 31, 36, 21, 22, 38, 0], Distance=296.70, RemCap=295.0

Total vehicle waiting time = 217.18

Total customer waiting time = 21628.31

--------------------------------------------------

Ep 38/50 | Reward 4532.24 | Loss 506228755.39 | Dist 825.69 | Vehl 3

Vehicle 0: Route=[0, 2, 19, 33, 5, 42, 4, 3, 1, 40, 20, 13, 46, 30, 18, 22, 9, 10, 43, 8, 26, 7, 6, 47, 32, 23, 0], Distance=308.98, RemCap=8.0

Vehicle 1: Route=[0, 35, 27, 38, 34, 28, 48, 44, 14, 50, 25, 49, 11, 12, 15, 0], Distance=268.08, RemCap=247.0

Vehicle 2: Route=[0, 24, 31, 29, 45, 39, 41, 17, 37, 16, 21, 36, 0], Distance=248.63, RemCap=256.0

Total vehicle waiting time = 126.06

Total customer waiting time = 21681.19

--------------------------------------------------

Ep 39/50 | Reward 4301.41 | Loss 405842521.88 | Dist 781.75 | Vehl 3

Vehicle 0: Route=[0, 25, 41, 6, 7, 8, 26, 34, 39, 45, 9, 10, 36, 24, 27, 32, 35, 46, 40, 11, 37, 2, 5, 42, 4, 3, 1, 19, 0], Distance=303.68, RemCap=1.0

Vehicle 1: Route=[0, 49, 16, 13, 12, 22, 38, 29, 43, 28, 48, 14, 44, 0], Distance=229.50, RemCap=231.0

Vehicle 2: Route=[0, 20, 30, 21, 18, 15, 23, 31, 47, 17, 50, 33, 0], Distance=248.57, RemCap=279.0

Total vehicle waiting time = 364.23

Total customer waiting time = 27644.13

--------------------------------------------------

Ep 40/50 | Reward 4525.00 | Loss 480512602.26 | Dist 792.30 | Vehl 3

Vehicle 0: Route=[0, 35, 24, 23, 38, 10, 9, 29, 31, 39, 26, 8, 7, 6, 41, 50, 5, 42, 4, 3, 1, 19, 2, 40, 46, 12, 18, 15, 0], Distance=318.57, RemCap=4.0

Vehicle 1: Route=[0, 49, 20, 21, 30, 36, 27, 32, 45, 34, 44, 17, 25, 0], Distance=237.60, RemCap=268.0

Vehicle 2: Route=[0, 13, 11, 16, 37, 33, 14, 48, 28, 47, 22, 43, 0], Distance=236.13, RemCap=239.0

Total vehicle waiting time = 68.15

Total customer waiting time = 21305.99

--------------------------------------------------

Ep 41/50 | Reward 4335.57 | Loss 428353048.10 | Dist 856.21 | Vehl 3

Vehicle 0: Route=[0, 32, 6, 7, 48, 8, 26, 39, 10, 9, 22, 21, 30, 46, 49, 11, 16, 1, 3, 4, 19, 2, 5, 14, 17, 0], Distance=313.44, RemCap=2.0

Vehicle 1: Route=[0, 25, 47, 34, 44, 37, 13, 40, 18, 15, 35, 23, 31, 29, 45, 43, 0], Distance=303.97, RemCap=196.0

Vehicle 2: Route=[0, 20, 12, 36, 38, 24, 27, 41, 50, 33, 42, 28, 0], Distance=238.80, RemCap=313.0

Total vehicle waiting time = 238.55

Total customer waiting time = 25292.59

--------------------------------------------------

Ep 42/50 | Reward 4170.24 | Loss 404469793.42 | Dist 841.46 | Vehl 3

Vehicle 0: Route=[0, 24, 36, 10, 9, 22, 15, 12, 30, 37, 1, 3, 4, 2, 33, 5, 44, 6, 7, 8, 26, 28, 47, 39, 32, 41, 0], Distance=267.57, RemCap=0.0

Vehicle 1: Route=[0, 35, 49, 16, 11, 46, 18, 23, 31, 29, 34, 48, 17, 14, 19, 0], Distance=291.18, RemCap=207.0

Vehicle 2: Route=[0, 50, 42, 25, 45, 43, 38, 27, 21, 13, 40, 20, 0], Distance=282.72, RemCap=304.0

Total vehicle waiting time = 0.00

Total customer waiting time = 21638.41

--------------------------------------------------

Ep 43/50 | Reward 4265.77 | Loss 401034453.39 | Dist 786.09 | Vehl 3

Vehicle 0: Route=[0, 17, 2, 5, 42, 19, 4, 3, 1, 40, 20, 49, 12, 36, 22, 9, 10, 29, 43, 32, 34, 8, 7, 6, 41, 44, 0], Distance=314.22, RemCap=4.0

Vehicle 1: Route=[0, 27, 45, 28, 48, 25, 50, 13, 11, 16, 21, 18, 30, 24, 35, 0], Distance=254.05, RemCap=230.0

Vehicle 2: Route=[0, 37, 33, 14, 26, 47, 39, 31, 38, 15, 46, 23, 0], Distance=217.81, RemCap=277.0

Total vehicle waiting time = 299.71

Total customer waiting time = 26172.27

--------------------------------------------------

Ep 44/50 | Reward 4375.10 | Loss 431205745.90 | Dist 811.70 | Vehl 3

Vehicle 0: Route=[0, 49, 50, 2, 1, 3, 4, 5, 14, 17, 41, 44, 7, 8, 34, 6, 47, 32, 27, 23, 10, 9, 15, 21, 30, 16, 11, 46, 0], Distance=344.79, RemCap=2.0

Vehicle 1: Route=[0, 25, 45, 43, 29, 38, 24, 35, 20, 40, 37, 19, 42, 33, 0], Distance=222.12, RemCap=231.0

Vehicle 2: Route=[0, 39, 28, 26, 48, 13, 12, 36, 31, 22, 18, 0], Distance=244.79, RemCap=278.0

Total vehicle waiting time = 63.05

Total customer waiting time = 22676.28

--------------------------------------------------

Ep 45/50 | Reward 4292.24 | Loss 407373893.59 | Dist 821.83 | Vehl 3

Vehicle 0: Route=[0, 49, 13, 1, 3, 4, 42, 5, 2, 25, 41, 44, 7, 48, 8, 26, 6, 47, 32, 31, 38, 10, 9, 22, 18, 46, 0], Distance=280.60, RemCap=1.0

Vehicle 1: Route=[0, 50, 37, 19, 16, 11, 21, 12, 30, 35, 27, 23, 29, 45, 34, 28, 0], Distance=279.71, RemCap=203.0

Vehicle 2: Route=[0, 17, 14, 33, 20, 40, 15, 36, 24, 43, 39, 0], Distance=261.52, RemCap=307.0

Total vehicle waiting time = 62.10

Total customer waiting time = 22882.21

--------------------------------------------------

Ep 46/50 | Reward 4338.82 | Loss 415430821.82 | Dist 839.31 | Vehl 3

Vehicle 0: Route=[0, 25, 50, 37, 1, 3, 4, 2, 5, 14, 44, 7, 48, 8, 34, 6, 17, 32, 43, 29, 9, 10, 38, 23, 24, 46, 12, 15, 0], Distance=310.30, RemCap=4.0

Vehicle 1: Route=[0, 36, 21, 30, 35, 49, 13, 20, 16, 42, 26, 47, 45, 31, 22, 0], Distance=316.15, RemCap=188.0

Vehicle 2: Route=[0, 27, 18, 40, 11, 19, 33, 41, 39, 28, 0], Distance=212.86, RemCap=319.0

Total vehicle waiting time = 336.90

Total customer waiting time = 25768.94

--------------------------------------------------

Ep 47/50 | Reward 4451.12 | Loss 450858357.38 | Dist 857.65 | Vehl 3

Vehicle 0: Route=[0, 24, 12, 18, 31, 10, 9, 43, 32, 39, 8, 48, 7, 6, 44, 14, 5, 19, 4, 3, 1, 11, 49, 2, 41, 50, 0], Distance=335.93, RemCap=7.0

Vehicle 1: Route=[0, 20, 40, 16, 37, 33, 25, 47, 28, 26, 45, 38, 36, 22, 0], Distance=250.20, RemCap=181.0

Vehicle 2: Route=[0, 35, 27, 23, 29, 34, 17, 42, 13, 46, 30, 21, 15, 0], Distance=271.52, RemCap=323.0

Total vehicle waiting time = 458.15

Total customer waiting time = 25208.01

--------------------------------------------------

Ep 48/50 | Reward 4860.70 | Loss 570220515.13 | Dist 724.59 | Vehl 3

Vehicle 0: Route=[0, 25, 50, 17, 6, 7, 8, 47, 34, 45, 43, 29, 9, 10, 38, 22, 15, 46, 40, 1, 3, 4, 2, 33, 5, 14, 0], Distance=306.13, RemCap=7.0

Vehicle 1: Route=[0, 35, 12, 20, 16, 49, 41, 44, 48, 26, 28, 39, 32, 27, 31, 23, 0], Distance=222.90, RemCap=183.0

Vehicle 2: Route=[0, 37, 42, 19, 11, 13, 21, 18, 30, 24, 36, 0], Distance=195.56, RemCap=321.0

Total vehicle waiting time = 309.55

Total customer waiting time = 21974.43

--------------------------------------------------

Ep 49/50 | Reward 4218.38 | Loss 388624302.88 | Dist 786.72 | Vehl 3

Vehicle 0: Route=[0, 37, 2, 1, 3, 4, 19, 5, 25, 6, 7, 8, 32, 43, 29, 9, 10, 38, 24, 36, 15, 30, 46, 13, 16, 40, 0], Distance=328.88, RemCap=9.0

Vehicle 1: Route=[0, 41, 34, 48, 14, 33, 17, 50, 49, 35, 22, 18, 21, 20, 11, 0], Distance=260.21, RemCap=245.0

Vehicle 2: Route=[0, 27, 12, 23, 31, 45, 39, 47, 28, 26, 42, 44, 0], Distance=197.63, RemCap=257.0

Total vehicle waiting time = 232.87

Total customer waiting time = 23969.22

--------------------------------------------------

Ep 50/50 | Reward 4424.81 | Loss 458834708.94 | Dist 805.08 | Vehl 3

Vehicle 0: Route=[0, 35, 32, 28, 34, 26, 8, 48, 7, 6, 41, 50, 44, 14, 5, 2, 4, 3, 1, 40, 21, 15, 9, 10, 36, 24, 46, 0], Distance=343.03, RemCap=4.0

Vehicle 1: Route=[0, 27, 22, 18, 30, 13, 16, 37, 49, 25, 47, 17, 33, 42, 19, 0], Distance=260.18, RemCap=194.0

Vehicle 2: Route=[0, 11, 20, 12, 23, 39, 45, 43, 29, 31, 38, 0], Distance=201.87, RemCap=313.0

Total vehicle waiting time = 186.74

Total customer waiting time = 23692.59

--------------------------------------------------

--- Training with max\_vehicles = 4 ---

Ep 1/50 | Reward 4338.71 | Loss 436987412.49 | Dist 1016.25 | Vehl 4

Vehicle 0: Route=[0, 24, 31, 10, 9, 12, 21, 40, 20, 16, 1, 3, 4, 5, 2, 17, 25, 41, 6, 39, 8, 7, 44, 14, 0], Distance=322.27, RemCap=0.0

Vehicle 1: Route=[0, 49, 13, 46, 15, 36, 23, 27, 45, 28, 47, 19, 0], Distance=240.60, RemCap=265.0

Vehicle 2: Route=[0, 35, 11, 50, 42, 26, 29, 38, 22, 18, 0], Distance=256.46, RemCap=350.0

Vehicle 3: Route=[0, 37, 33, 48, 34, 43, 30, 32, 0], Distance=196.92, RemCap=396.0

Total vehicle waiting time = 180.93

Total customer waiting time = 23193.12

--------------------------------------------------

Ep 2/50 | Reward 4405.21 | Loss 486208840.45 | Dist 906.80 | Vehl 4

Vehicle 0: Route=[0, 46, 21, 40, 16, 25, 17, 2, 1, 3, 4, 5, 14, 6, 7, 8, 34, 28, 32, 31, 10, 9, 29, 0], Distance=318.90, RemCap=6.0

Vehicle 1: Route=[0, 12, 15, 18, 20, 11, 13, 49, 44, 47, 45, 39, 0], Distance=235.28, RemCap=299.0

Vehicle 2: Route=[0, 41, 33, 42, 19, 37, 35, 23, 36, 22, 0], Distance=157.45, RemCap=323.0

Vehicle 3: Route=[0, 50, 48, 26, 43, 27, 24, 30, 38, 0], Distance=195.17, RemCap=383.0

Total vehicle waiting time = 57.85

Total customer waiting time = 20284.31

--------------------------------------------------

Ep 3/50 | Reward 4435.50 | Loss 467005296.30 | Dist 939.75 | Vehl 4

Vehicle 0: Route=[0, 25, 49, 37, 2, 33, 5, 19, 4, 3, 1, 11, 30, 24, 23, 38, 10, 9, 29, 45, 39, 8, 7, 6, 41, 0], Distance=250.96, RemCap=19.0

Vehicle 1: Route=[0, 32, 31, 36, 12, 18, 20, 16, 42, 44, 50, 0], Distance=224.18, RemCap=301.0

Vehicle 2: Route=[0, 35, 40, 21, 22, 34, 28, 17, 14, 0], Distance=248.61, RemCap=317.0

Vehicle 3: Route=[0, 27, 47, 48, 26, 43, 15, 46, 13, 0], Distance=216.00, RemCap=374.0

Total vehicle waiting time = 367.30

Total customer waiting time = 23172.75

--------------------------------------------------

Ep 4/50 | Reward 4446.70 | Loss 463395899.09 | Dist 924.68 | Vehl 4

Vehicle 0: Route=[0, 50, 13, 16, 1, 3, 4, 2, 5, 44, 7, 6, 28, 8, 45, 9, 10, 38, 31, 23, 32, 27, 35, 36, 12, 0], Distance=297.43, RemCap=5.0

Vehicle 1: Route=[0, 21, 18, 15, 25, 41, 47, 39, 48, 17, 33, 14, 0], Distance=228.31, RemCap=289.0

Vehicle 2: Route=[0, 34, 42, 49, 46, 24, 22, 29, 43, 0], Distance=226.83, RemCap=369.0

Vehicle 3: Route=[0, 30, 40, 20, 11, 37, 19, 26, 0], Distance=172.12, RemCap=348.0

Total vehicle waiting time = 217.74

Total customer waiting time = 20601.09

--------------------------------------------------

Ep 5/50 | Reward 4039.27 | Loss 373742131.81 | Dist 965.70 | Vehl 4

Vehicle 0: Route=[0, 17, 49, 20, 40, 1, 3, 4, 42, 5, 33, 2, 44, 6, 7, 8, 26, 28, 34, 39, 9, 10, 23, 24, 30, 0], Distance=266.14, RemCap=8.0

Vehicle 1: Route=[0, 35, 16, 37, 50, 48, 32, 29, 38, 36, 12, 18, 0], Distance=248.11, RemCap=312.0

Vehicle 2: Route=[0, 15, 31, 43, 45, 27, 41, 19, 0], Distance=214.38, RemCap=362.0

Vehicle 3: Route=[0, 25, 47, 14, 11, 13, 46, 22, 21, 0], Distance=237.07, RemCap=329.0

Total vehicle waiting time = 0.00

Total customer waiting time = 20332.62

--------------------------------------------------

Ep 6/50 | Reward 4331.95 | Loss 463101491.55 | Dist 945.88 | Vehl 4

Vehicle 0: Route=[0, 31, 10, 9, 18, 46, 35, 49, 13, 37, 1, 3, 4, 2, 5, 44, 7, 48, 8, 34, 39, 47, 6, 41, 17, 25, 0], Distance=294.66, RemCap=2.0

Vehicle 1: Route=[0, 27, 38, 29, 22, 24, 30, 21, 11, 42, 33, 28, 45, 0], Distance=303.28, RemCap=265.0

Vehicle 2: Route=[0, 19, 14, 26, 32, 43, 36, 15, 0], Distance=218.33, RemCap=360.0

Vehicle 3: Route=[0, 23, 12, 40, 16, 20, 50, 0], Distance=129.61, RemCap=384.0

Total vehicle waiting time = 159.32

Total customer waiting time = 23180.84

--------------------------------------------------

Ep 7/50 | Reward 4262.06 | Loss 386234100.41 | Dist 985.83 | Vehl 4

Vehicle 0: Route=[0, 35, 30, 31, 10, 9, 43, 45, 32, 17, 49, 16, 1, 3, 4, 2, 5, 44, 6, 7, 8, 26, 39, 47, 0], Distance=290.89, RemCap=19.0

Vehicle 1: Route=[0, 25, 34, 27, 24, 38, 29, 18, 40, 13, 42, 33, 37, 0], Distance=277.50, RemCap=285.0

Vehicle 2: Route=[0, 23, 22, 36, 12, 15, 11, 19, 14, 28, 0], Distance=228.43, RemCap=301.0

Vehicle 3: Route=[0, 41, 48, 50, 20, 21, 46, 0], Distance=189.00, RemCap=406.0

Total vehicle waiting time = 517.07

Total customer waiting time = 25257.66

--------------------------------------------------

Ep 8/50 | Reward 4318.58 | Loss 432692741.66 | Dist 897.49 | Vehl 4

Vehicle 0: Route=[0, 20, 40, 37, 1, 3, 4, 2, 5, 14, 6, 7, 8, 34, 28, 47, 31, 38, 10, 9, 22, 32, 41, 0], Distance=271.07, RemCap=6.0

Vehicle 1: Route=[0, 27, 24, 36, 15, 21, 13, 19, 33, 44, 26, 39, 0], Distance=211.37, RemCap=270.0

Vehicle 2: Route=[0, 49, 50, 42, 17, 45, 43, 12, 18, 0], Distance=213.81, RemCap=394.0

Vehicle 3: Route=[0, 25, 48, 29, 23, 35, 30, 46, 16, 11, 0], Distance=201.24, RemCap=341.0

Total vehicle waiting time = 144.66

Total customer waiting time = 22465.85

--------------------------------------------------

Ep 9/50 | Reward 4705.93 | Loss 540398489.91 | Dist 930.80 | Vehl 4

Vehicle 0: Route=[0, 49, 20, 2, 1, 3, 4, 19, 42, 5, 7, 48, 8, 6, 47, 32, 45, 9, 10, 38, 31, 23, 15, 21, 12, 0], Distance=317.37, RemCap=4.0

Vehicle 1: Route=[0, 25, 17, 44, 34, 28, 41, 35, 24, 46, 11, 0], Distance=167.57, RemCap=327.0

Vehicle 2: Route=[0, 14, 33, 13, 30, 36, 22, 43, 39, 26, 0], Distance=232.73, RemCap=325.0

Vehicle 3: Route=[0, 50, 37, 16, 40, 27, 29, 18, 0], Distance=213.13, RemCap=355.0

Total vehicle waiting time = 172.98

Total customer waiting time = 19975.08

--------------------------------------------------

Ep 10/50 | Reward 4806.06 | Loss 592153052.11 | Dist 966.83 | Vehl 4

Vehicle 0: Route=[0, 49, 13, 37, 1, 3, 4, 42, 2, 5, 14, 48, 8, 34, 7, 6, 47, 32, 35, 24, 23, 36, 18, 15, 9, 10, 43, 0], Distance=333.23, RemCap=17.0

Vehicle 1: Route=[0, 50, 19, 33, 44, 39, 27, 22, 46, 11, 20, 0], Distance=211.79, RemCap=287.0

Vehicle 2: Route=[0, 16, 30, 12, 38, 45, 28, 25, 0], Distance=180.11, RemCap=361.0

Vehicle 3: Route=[0, 31, 29, 26, 41, 17, 40, 21, 0], Distance=241.69, RemCap=346.0

Total vehicle waiting time = 181.41

Total customer waiting time = 19357.81

--------------------------------------------------

Ep 11/50 | Reward 4347.13 | Loss 461055088.23 | Dist 941.15 | Vehl 4

Vehicle 0: Route=[0, 20, 40, 37, 2, 1, 3, 4, 5, 17, 32, 27, 24, 22, 38, 10, 9, 29, 43, 34, 8, 48, 7, 6, 44, 0], Distance=299.67, RemCap=13.0

Vehicle 1: Route=[0, 49, 13, 16, 18, 12, 36, 23, 45, 41, 25, 50, 33, 0], Distance=249.20, RemCap=293.0

Vehicle 2: Route=[0, 19, 42, 14, 28, 47, 31, 30, 15, 0], Distance=199.83, RemCap=291.0

Vehicle 3: Route=[0, 35, 46, 21, 11, 26, 39, 0], Distance=192.45, RemCap=414.0

Total vehicle waiting time = 102.74

Total customer waiting time = 23349.47

--------------------------------------------------

Ep 12/50 | Reward 4232.03 | Loss 406572591.18 | Dist 867.30 | Vehl 4

Vehicle 0: Route=[0, 46, 40, 11, 13, 37, 1, 3, 4, 2, 5, 14, 44, 6, 7, 8, 28, 47, 45, 9, 10, 36, 23, 27, 32, 0], Distance=277.74, RemCap=1.0

Vehicle 1: Route=[0, 25, 49, 30, 21, 15, 24, 29, 43, 39, 48, 26, 0], Distance=228.66, RemCap=297.0

Vehicle 2: Route=[0, 50, 33, 42, 19, 16, 20, 38, 12, 18, 0], Distance=224.02, RemCap=331.0

Vehicle 3: Route=[0, 35, 22, 31, 34, 17, 41, 0], Distance=136.89, RemCap=382.0

Total vehicle waiting time = 51.79

Total customer waiting time = 22645.92

--------------------------------------------------

Ep 13/50 | Reward 4194.77 | Loss 404543820.49 | Dist 1002.38 | Vehl 4

Vehicle 0: Route=[0, 20, 18, 9, 29, 43, 10, 38, 23, 32, 47, 8, 48, 7, 6, 41, 44, 5, 4, 3, 1, 2, 37, 49, 25, 50, 0], Distance=331.12, RemCap=2.0

Vehicle 1: Route=[0, 27, 31, 22, 15, 36, 30, 46, 33, 14, 39, 0], Distance=221.99, RemCap=303.0

Vehicle 2: Route=[0, 13, 16, 21, 35, 45, 34, 26, 42, 0], Distance=261.92, RemCap=357.0

Vehicle 3: Route=[0, 11, 40, 19, 17, 28, 24, 12, 0], Distance=187.35, RemCap=349.0

Total vehicle waiting time = 216.16

Total customer waiting time = 23742.60

--------------------------------------------------

Ep 14/50 | Reward 4227.32 | Loss 403919474.28 | Dist 853.35 | Vehl 4

Vehicle 0: Route=[0, 46, 30, 36, 23, 22, 9, 10, 38, 43, 45, 34, 8, 7, 6, 14, 5, 33, 42, 19, 4, 3, 1, 2, 37, 50, 17, 0], Distance=249.94, RemCap=7.0

Vehicle 1: Route=[0, 11, 20, 16, 41, 28, 47, 32, 31, 15, 21, 0], Distance=227.20, RemCap=270.0

Vehicle 2: Route=[0, 26, 48, 25, 49, 35, 24, 18, 12, 0], Distance=172.21, RemCap=367.0

Vehicle 3: Route=[0, 13, 40, 27, 29, 44, 39, 0], Distance=204.00, RemCap=367.0

Total vehicle waiting time = 230.84

Total customer waiting time = 23736.79

--------------------------------------------------

Ep 15/50 | Reward 4705.08 | Loss 558543893.11 | Dist 898.51 | Vehl 4

Vehicle 0: Route=[0, 23, 12, 18, 30, 46, 11, 13, 49, 37, 1, 3, 4, 19, 2, 33, 5, 14, 48, 8, 26, 7, 6, 41, 32, 43, 9, 10, 38, 0], Distance=324.38, RemCap=7.0

Vehicle 1: Route=[0, 24, 31, 29, 45, 27, 44, 50, 20, 21, 15, 0], Distance=276.00, RemCap=272.0

Vehicle 2: Route=[0, 35, 40, 16, 17, 47, 28, 39, 0], Distance=138.57, RemCap=328.0

Vehicle 3: Route=[0, 36, 22, 34, 42, 25, 0], Distance=159.55, RemCap=404.0

Total vehicle waiting time = 151.55

Total customer waiting time = 21766.12

--------------------------------------------------

Ep 16/50 | Reward 4610.69 | Loss 509000138.34 | Dist 895.50 | Vehl 4

Vehicle 0: Route=[0, 49, 13, 1, 3, 4, 42, 5, 2, 37, 17, 41, 44, 6, 7, 8, 47, 34, 45, 43, 10, 9, 22, 36, 35, 27, 32, 0], Distance=290.15, RemCap=5.0

Vehicle 1: Route=[0, 12, 15, 18, 46, 20, 11, 16, 50, 14, 26, 28, 39, 25, 0], Distance=222.87, RemCap=251.0

Vehicle 2: Route=[0, 48, 38, 23, 24, 30, 40, 0], Distance=185.00, RemCap=405.0

Vehicle 3: Route=[0, 19, 33, 31, 29, 21, 0], Distance=197.47, RemCap=350.0

Total vehicle waiting time = 208.62

Total customer waiting time = 21455.78

--------------------------------------------------

Ep 17/50 | Reward 4522.92 | Loss 489286604.06 | Dist 911.49 | Vehl 4

Vehicle 0: Route=[0, 49, 13, 40, 46, 24, 31, 10, 9, 29, 45, 39, 34, 8, 48, 7, 6, 50, 37, 1, 3, 4, 2, 5, 33, 0], Distance=273.50, RemCap=8.0

Vehicle 1: Route=[0, 25, 19, 42, 44, 41, 32, 35, 36, 23, 38, 22, 15, 21, 0], Distance=242.73, RemCap=257.0

Vehicle 2: Route=[0, 27, 17, 26, 14, 11, 20, 30, 12, 0], Distance=190.30, RemCap=363.0

Vehicle 3: Route=[0, 47, 28, 43, 18, 16, 0], Distance=204.97, RemCap=383.0

Total vehicle waiting time = 234.24

Total customer waiting time = 22529.41

--------------------------------------------------

Ep 18/50 | Reward 4026.98 | Loss 349855994.43 | Dist 912.07 | Vehl 4

Vehicle 0: Route=[0, 25, 23, 31, 10, 9, 45, 39, 34, 26, 8, 48, 7, 6, 44, 5, 33, 2, 4, 3, 1, 40, 46, 30, 15, 21, 0], Distance=316.86, RemCap=7.0

Vehicle 1: Route=[0, 20, 11, 37, 19, 42, 17, 47, 24, 38, 29, 0], Distance=212.05, RemCap=279.0

Vehicle 2: Route=[0, 28, 14, 50, 49, 35, 12, 18, 36, 0], Distance=179.05, RemCap=349.0

Vehicle 3: Route=[0, 13, 16, 41, 32, 27, 43, 22, 0], Distance=204.11, RemCap=376.0

Total vehicle waiting time = 233.09

Total customer waiting time = 25437.70

--------------------------------------------------

Ep 19/50 | Reward 4418.19 | Loss 444726371.74 | Dist 933.93 | Vehl 4

Vehicle 0: Route=[0, 49, 25, 32, 34, 8, 7, 6, 17, 5, 42, 4, 3, 1, 19, 2, 37, 40, 46, 35, 30, 12, 36, 38, 10, 29, 9, 15, 0], Distance=345.62, RemCap=9.0

Vehicle 1: Route=[0, 48, 26, 47, 39, 43, 22, 18, 21, 13, 11, 0], Distance=224.28, RemCap=312.0

Vehicle 2: Route=[0, 20, 50, 41, 14, 44, 45, 24, 23, 0], Distance=201.06, RemCap=336.0

Vehicle 3: Route=[0, 27, 31, 28, 33, 16, 0], Distance=162.96, RemCap=354.0

Total vehicle waiting time = 289.70

Total customer waiting time = 24145.89

--------------------------------------------------

Ep 20/50 | Reward 4358.61 | Loss 454761502.30 | Dist 948.81 | Vehl 4

Vehicle 0: Route=[0, 31, 10, 9, 29, 45, 34, 8, 48, 7, 6, 41, 5, 33, 19, 4, 3, 1, 2, 25, 49, 40, 46, 30, 21, 12, 0], Distance=331.73, RemCap=2.0

Vehicle 1: Route=[0, 13, 16, 14, 26, 39, 38, 22, 36, 23, 0], Distance=202.22, RemCap=304.0

Vehicle 2: Route=[0, 24, 43, 44, 42, 50, 37, 20, 18, 15, 0], Distance=265.08, RemCap=348.0

Vehicle 3: Route=[0, 11, 35, 27, 32, 17, 47, 28, 0], Distance=149.78, RemCap=357.0

Total vehicle waiting time = 56.20

Total customer waiting time = 21260.84

--------------------------------------------------

Ep 21/50 | Reward 4017.85 | Loss 327446792.46 | Dist 944.46 | Vehl 4

Vehicle 0: Route=[0, 50, 2, 33, 5, 42, 4, 3, 1, 16, 11, 13, 49, 35, 31, 10, 9, 45, 8, 26, 7, 6, 44, 17, 0], Distance=250.94, RemCap=24.0

Vehicle 1: Route=[0, 24, 29, 34, 48, 41, 19, 37, 20, 46, 18, 12, 0], Distance=266.69, RemCap=307.0

Vehicle 2: Route=[0, 15, 22, 38, 23, 27, 32, 28, 0], Distance=159.42, RemCap=361.0

Vehicle 3: Route=[0, 36, 30, 21, 40, 14, 47, 39, 43, 25, 0], Distance=267.41, RemCap=319.0

Total vehicle waiting time = 409.39

Total customer waiting time = 25536.34

--------------------------------------------------

Ep 22/50 | Reward 4999.40 | Loss 642676071.88 | Dist 950.42 | Vehl 4

Vehicle 0: Route=[0, 46, 40, 13, 49, 37, 1, 3, 4, 19, 42, 5, 33, 2, 50, 41, 44, 6, 7, 8, 32, 45, 9, 10, 36, 12, 21, 0], Distance=352.61, RemCap=9.0

Vehicle 1: Route=[0, 25, 47, 28, 48, 34, 39, 43, 29, 23, 20, 30, 15, 0], Distance=255.01, RemCap=250.0

Vehicle 2: Route=[0, 35, 38, 31, 26, 17, 16, 11, 0], Distance=172.12, RemCap=358.0

Vehicle 3: Route=[0, 14, 27, 24, 22, 18, 0], Distance=170.68, RemCap=394.0

Total vehicle waiting time = 161.87

Total customer waiting time = 19139.22

--------------------------------------------------

Ep 23/50 | Reward 4388.00 | Loss 426120999.55 | Dist 837.33 | Vehl 4

Vehicle 0: Route=[0, 11, 40, 16, 1, 3, 4, 19, 42, 5, 2, 37, 50, 6, 7, 48, 8, 45, 43, 9, 10, 38, 27, 35, 24, 18, 15, 0], Distance=329.36, RemCap=16.0

Vehicle 1: Route=[0, 46, 30, 21, 12, 36, 22, 29, 34, 28, 44, 14, 25, 0], Distance=217.63, RemCap=252.0

Vehicle 2: Route=[0, 49, 13, 33, 17, 32, 39, 47, 26, 0], Distance=152.37, RemCap=335.0

Vehicle 3: Route=[0, 23, 31, 41, 20, 0], Distance=137.96, RemCap=408.0

Total vehicle waiting time = 351.52

Total customer waiting time = 25090.83

--------------------------------------------------

Ep 24/50 | Reward 4473.69 | Loss 473103395.68 | Dist 948.21 | Vehl 4

Vehicle 0: Route=[0, 25, 50, 2, 1, 3, 4, 42, 5, 14, 41, 6, 7, 48, 8, 34, 47, 39, 31, 38, 10, 9, 22, 46, 20, 12, 0], Distance=289.95, RemCap=5.0

Vehicle 1: Route=[0, 49, 19, 17, 26, 45, 43, 24, 35, 30, 18, 29, 0], Distance=276.78, RemCap=292.0

Vehicle 2: Route=[0, 13, 11, 40, 33, 44, 23, 32, 28, 0], Distance=194.46, RemCap=331.0

Vehicle 3: Route=[0, 37, 16, 27, 21, 15, 36, 0], Distance=187.03, RemCap=383.0

Total vehicle waiting time = 64.13

Total customer waiting time = 20526.18

--------------------------------------------------

Ep 25/50 | Reward 4537.17 | Loss 480954781.79 | Dist 1045.00 | Vehl 4

Vehicle 0: Route=[0, 32, 41, 6, 47, 34, 8, 7, 44, 5, 42, 4, 3, 1, 19, 2, 50, 37, 13, 40, 30, 24, 10, 9, 36, 18, 0], Distance=335.56, RemCap=18.0

Vehicle 1: Route=[0, 33, 28, 39, 43, 38, 35, 46, 11, 21, 0], Distance=269.09, RemCap=357.0

Vehicle 2: Route=[0, 27, 31, 29, 45, 48, 14, 16, 15, 22, 0], Distance=269.48, RemCap=273.0

Vehicle 3: Route=[0, 26, 17, 25, 49, 20, 12, 23, 0], Distance=170.87, RemCap=363.0

Total vehicle waiting time = 117.46

Total customer waiting time = 20232.08

--------------------------------------------------

Ep 26/50 | Reward 4431.99 | Loss 434659345.17 | Dist 1040.81 | Vehl 4

Vehicle 0: Route=[0, 35, 24, 30, 46, 13, 50, 2, 1, 3, 4, 19, 5, 14, 41, 6, 7, 8, 28, 47, 32, 43, 10, 9, 22, 15, 0], Distance=320.40, RemCap=2.0

Vehicle 1: Route=[0, 49, 42, 48, 34, 27, 23, 31, 29, 18, 11, 12, 0], Distance=290.87, RemCap=313.0

Vehicle 2: Route=[0, 25, 38, 45, 39, 33, 37, 20, 21, 0], Distance=253.38, RemCap=330.0

Vehicle 3: Route=[0, 17, 44, 26, 36, 40, 16, 0], Distance=176.16, RemCap=366.0

Total vehicle waiting time = 451.68

Total customer waiting time = 22992.09

--------------------------------------------------

Ep 27/50 | Reward 4548.96 | Loss 475588826.62 | Dist 970.07 | Vehl 4

Vehicle 0: Route=[0, 35, 49, 40, 1, 3, 4, 2, 33, 5, 14, 44, 41, 6, 7, 48, 8, 26, 34, 47, 39, 43, 9, 10, 36, 30, 18, 0], Distance=320.91, RemCap=10.0

Vehicle 1: Route=[0, 25, 37, 20, 19, 17, 45, 31, 23, 24, 15, 0], Distance=254.41, RemCap=255.0

Vehicle 2: Route=[0, 27, 38, 29, 32, 28, 42, 16, 46, 21, 0], Distance=259.20, RemCap=326.0

Vehicle 3: Route=[0, 50, 11, 13, 12, 22, 0], Distance=135.56, RemCap=420.0

Total vehicle waiting time = 318.02

Total customer waiting time = 22627.51

--------------------------------------------------

Ep 28/50 | Reward 4432.06 | Loss 453390461.50 | Dist 990.48 | Vehl 4

Vehicle 0: Route=[0, 32, 10, 9, 43, 34, 8, 48, 7, 28, 6, 44, 5, 42, 4, 3, 1, 2, 17, 50, 49, 40, 46, 15, 36, 23, 24, 0], Distance=337.82, RemCap=18.0

Vehicle 1: Route=[0, 41, 14, 47, 45, 29, 27, 12, 20, 16, 11, 0], Distance=227.34, RemCap=296.0

Vehicle 2: Route=[0, 25, 19, 33, 39, 22, 18, 13, 0], Distance=215.58, RemCap=332.0

Vehicle 3: Route=[0, 35, 37, 26, 31, 38, 30, 21, 0], Distance=209.74, RemCap=365.0

Total vehicle waiting time = 162.91

Total customer waiting time = 21590.69

--------------------------------------------------

Ep 29/50 | Reward 4489.88 | Loss 459901866.86 | Dist 881.58 | Vehl 4

Vehicle 0: Route=[0, 35, 46, 37, 1, 3, 4, 19, 5, 2, 50, 41, 6, 7, 48, 8, 47, 29, 9, 10, 38, 31, 27, 24, 36, 12, 0], Distance=254.21, RemCap=4.0

Vehicle 1: Route=[0, 49, 20, 40, 11, 42, 33, 44, 28, 34, 43, 25, 0], Distance=204.27, RemCap=278.0

Vehicle 2: Route=[0, 13, 16, 17, 26, 32, 22, 15, 21, 0], Distance=232.77, RemCap=335.0

Vehicle 3: Route=[0, 30, 18, 23, 45, 39, 14, 0], Distance=190.33, RemCap=394.0

Total vehicle waiting time = 197.76

Total customer waiting time = 22588.53

--------------------------------------------------

Ep 30/50 | Reward 4585.52 | Loss 489512450.74 | Dist 901.01 | Vehl 4

Vehicle 0: Route=[0, 35, 40, 1, 3, 4, 5, 33, 2, 50, 44, 6, 47, 7, 8, 34, 39, 45, 43, 29, 9, 10, 38, 23, 36, 22, 0], Distance=294.03, RemCap=1.0

Vehicle 1: Route=[0, 27, 41, 48, 42, 37, 49, 13, 16, 20, 30, 21, 15, 0], Distance=253.35, RemCap=286.0

Vehicle 2: Route=[0, 24, 12, 11, 19, 28, 17, 0], Distance=168.36, RemCap=369.0

Vehicle 3: Route=[0, 46, 18, 31, 32, 26, 14, 25, 0], Distance=185.27, RemCap=355.0

Total vehicle waiting time = 235.64

Total customer waiting time = 21353.29

--------------------------------------------------

Ep 31/50 | Reward 4518.19 | Loss 454209588.77 | Dist 911.58 | Vehl 4

Vehicle 0: Route=[0, 35, 12, 31, 38, 10, 9, 29, 43, 45, 47, 41, 50, 37, 40, 1, 3, 4, 2, 33, 5, 6, 7, 48, 8, 26, 0], Distance=298.41, RemCap=13.0

Vehicle 1: Route=[0, 11, 49, 25, 44, 28, 27, 24, 36, 22, 15, 21, 0], Distance=236.58, RemCap=261.0

Vehicle 2: Route=[0, 23, 18, 46, 13, 20, 19, 14, 34, 39, 17, 0], Distance=226.09, RemCap=301.0

Vehicle 3: Route=[0, 32, 42, 16, 30, 0], Distance=150.50, RemCap=436.0

Total vehicle waiting time = 275.44

Total customer waiting time = 22316.56

--------------------------------------------------

Ep 32/50 | Reward 4799.99 | Loss 562360590.99 | Dist 865.08 | Vehl 4

Vehicle 0: Route=[0, 35, 24, 31, 10, 9, 43, 39, 47, 26, 8, 48, 7, 6, 5, 33, 2, 4, 3, 1, 37, 49, 13, 46, 21, 30, 0], Distance=300.53, RemCap=5.0

Vehicle 1: Route=[0, 50, 16, 19, 42, 14, 41, 27, 23, 22, 18, 0], Distance=231.49, RemCap=295.0

Vehicle 2: Route=[0, 32, 45, 29, 36, 15, 40, 20, 11, 0], Distance=198.36, RemCap=347.0

Vehicle 3: Route=[0, 12, 38, 34, 28, 44, 17, 25, 0], Distance=134.70, RemCap=364.0

Total vehicle waiting time = 92.86

Total customer waiting time = 19997.48

--------------------------------------------------

Ep 33/50 | Reward 4813.27 | Loss 555002780.10 | Dist 909.42 | Vehl 4

Vehicle 0: Route=[0, 46, 37, 1, 3, 4, 19, 2, 33, 5, 6, 7, 8, 28, 47, 32, 45, 43, 10, 9, 22, 27, 24, 36, 0], Distance=265.79, RemCap=8.0

Vehicle 1: Route=[0, 35, 49, 13, 11, 16, 20, 18, 38, 34, 48, 14, 17, 25, 0], Distance=237.40, RemCap=250.0

Vehicle 2: Route=[0, 40, 42, 44, 23, 29, 39, 26, 0], Distance=235.33, RemCap=356.0

Vehicle 3: Route=[0, 50, 41, 31, 12, 30, 21, 15, 0], Distance=170.90, RemCap=397.0

Total vehicle waiting time = 383.32

Total customer waiting time = 21669.34

--------------------------------------------------

Ep 34/50 | Reward 4687.26 | Loss 515960349.43 | Dist 872.05 | Vehl 4

Vehicle 0: Route=[0, 49, 40, 1, 3, 4, 42, 5, 33, 2, 50, 44, 7, 8, 6, 47, 39, 34, 45, 10, 9, 22, 36, 27, 35, 12, 0], Distance=308.25, RemCap=15.0

Vehicle 1: Route=[0, 37, 41, 32, 38, 24, 15, 18, 21, 30, 46, 13, 20, 0], Distance=226.86, RemCap=326.0

Vehicle 2: Route=[0, 23, 31, 43, 28, 26, 19, 16, 11, 25, 0], Distance=201.56, RemCap=269.0

Vehicle 3: Route=[0, 29, 48, 14, 17, 0], Distance=135.39, RemCap=401.0

Total vehicle waiting time = 179.68

Total customer waiting time = 22411.92

--------------------------------------------------

Ep 35/50 | Reward 4291.36 | Loss 404802543.50 | Dist 935.57 | Vehl 4

Vehicle 0: Route=[0, 50, 37, 1, 3, 4, 19, 2, 33, 5, 6, 7, 8, 47, 39, 45, 9, 10, 38, 27, 35, 24, 36, 30, 20, 0], Distance=276.81, RemCap=6.0

Vehicle 1: Route=[0, 23, 31, 29, 32, 48, 44, 42, 16, 13, 46, 21, 15, 0], Distance=273.08, RemCap=258.0

Vehicle 2: Route=[0, 41, 17, 49, 40, 18, 22, 43, 34, 26, 28, 0], Distance=245.15, RemCap=317.0

Vehicle 3: Route=[0, 25, 14, 11, 12, 0], Distance=140.54, RemCap=430.0

Total vehicle waiting time = 305.58

Total customer waiting time = 25105.20

--------------------------------------------------

Ep 36/50 | Reward 4516.53 | Loss 474170177.62 | Dist 958.10 | Vehl 4

Vehicle 0: Route=[0, 35, 30, 12, 18, 15, 9, 43, 10, 38, 23, 39, 47, 8, 48, 7, 6, 44, 5, 42, 4, 3, 1, 2, 41, 50, 49, 13, 20, 11, 0], Distance=340.18, RemCap=2.0

Vehicle 1: Route=[0, 34, 29, 27, 21, 16, 19, 17, 0], Distance=258.71, RemCap=335.0

Vehicle 2: Route=[0, 32, 28, 26, 33, 40, 46, 36, 22, 0], Distance=208.99, RemCap=333.0

Vehicle 3: Route=[0, 24, 31, 45, 14, 37, 25, 0], Distance=150.23, RemCap=341.0

Total vehicle waiting time = 284.80

Total customer waiting time = 22698.72

--------------------------------------------------

Ep 37/50 | Reward 4596.82 | Loss 482601693.16 | Dist 945.30 | Vehl 4

Vehicle 0: Route=[0, 49, 20, 1, 3, 4, 5, 33, 2, 37, 41, 6, 7, 8, 26, 34, 47, 32, 43, 9, 10, 38, 31, 23, 24, 46, 15, 12, 0], Distance=323.76, RemCap=7.0

Vehicle 1: Route=[0, 50, 42, 19, 11, 35, 29, 22, 36, 21, 0], Distance=248.66, RemCap=312.0

Vehicle 2: Route=[0, 17, 28, 48, 14, 16, 40, 30, 18, 0], Distance=217.27, RemCap=322.0

Vehicle 3: Route=[0, 27, 45, 39, 44, 25, 13, 0], Distance=155.61, RemCap=370.0

Total vehicle waiting time = 449.66

Total customer waiting time = 24516.93

--------------------------------------------------

Ep 38/50 | Reward 4453.39 | Loss 456290718.04 | Dist 967.16 | Vehl 4

Vehicle 0: Route=[0, 49, 37, 2, 5, 42, 4, 3, 1, 40, 46, 12, 24, 32, 6, 7, 8, 34, 45, 29, 9, 22, 10, 38, 31, 23, 0], Distance=302.08, RemCap=18.0

Vehicle 1: Route=[0, 50, 19, 13, 21, 30, 43, 39, 48, 41, 17, 0], Distance=261.51, RemCap=324.0

Vehicle 2: Route=[0, 36, 20, 16, 14, 44, 47, 26, 0], Distance=179.87, RemCap=315.0

Vehicle 3: Route=[0, 33, 28, 25, 27, 35, 15, 18, 11, 0], Distance=223.70, RemCap=354.0

Total vehicle waiting time = 294.17

Total customer waiting time = 24106.01

--------------------------------------------------

Ep 39/50 | Reward 4359.41 | Loss 417057063.69 | Dist 902.20 | Vehl 4

Vehicle 0: Route=[0, 35, 46, 13, 20, 11, 1, 3, 4, 19, 42, 5, 33, 2, 50, 6, 7, 8, 47, 34, 45, 9, 10, 36, 12, 15, 0], Distance=297.49, RemCap=37.0

Vehicle 1: Route=[0, 49, 16, 40, 18, 38, 23, 27, 39, 44, 17, 0], Distance=224.81, RemCap=310.0

Vehicle 2: Route=[0, 24, 31, 25, 37, 41, 28, 14, 0], Distance=168.58, RemCap=316.0

Vehicle 3: Route=[0, 32, 48, 26, 43, 29, 22, 30, 21, 0], Distance=211.32, RemCap=348.0

Total vehicle waiting time = 294.88

Total customer waiting time = 23074.00

--------------------------------------------------

Ep 40/50 | Reward 4536.11 | Loss 486454941.62 | Dist 975.43 | Vehl 4

Vehicle 0: Route=[0, 35, 24, 38, 10, 9, 29, 43, 39, 34, 8, 48, 7, 6, 47, 41, 50, 2, 33, 5, 42, 4, 3, 1, 37, 11, 13, 46, 15, 0], Distance=307.97, RemCap=14.0

Vehicle 1: Route=[0, 49, 19, 14, 32, 31, 36, 30, 40, 21, 0], Distance=261.61, RemCap=287.0

Vehicle 2: Route=[0, 27, 45, 26, 28, 20, 12, 22, 0], Distance=223.33, RemCap=340.0

Vehicle 3: Route=[0, 23, 18, 16, 17, 44, 25, 0], Distance=182.52, RemCap=370.0

Total vehicle waiting time = 244.14

Total customer waiting time = 22274.23

--------------------------------------------------

Ep 41/50 | Reward 4656.95 | Loss 508777510.93 | Dist 920.83 | Vehl 4

Vehicle 0: Route=[0, 31, 38, 10, 9, 43, 45, 34, 47, 6, 7, 8, 48, 44, 5, 19, 4, 3, 1, 2, 37, 49, 16, 46, 12, 0], Distance=274.83, RemCap=6.0

Vehicle 1: Route=[0, 35, 23, 22, 29, 39, 26, 41, 17, 25, 50, 42, 20, 11, 0], Distance=232.16, RemCap=252.0

Vehicle 2: Route=[0, 24, 30, 15, 40, 33, 14, 32, 0], Distance=205.29, RemCap=377.0

Vehicle 3: Route=[0, 28, 27, 36, 13, 18, 21, 0], Distance=208.55, RemCap=376.0

Total vehicle waiting time = 187.23

Total customer waiting time = 21952.75

--------------------------------------------------

Ep 42/50 | Reward 4506.29 | Loss 462217219.49 | Dist 900.45 | Vehl 4

Vehicle 0: Route=[0, 35, 49, 37, 1, 3, 4, 2, 5, 41, 6, 7, 8, 28, 32, 45, 43, 9, 10, 38, 27, 12, 15, 18, 30, 46, 13, 40, 11, 0], Distance=342.74, RemCap=35.0

Vehicle 1: Route=[0, 50, 20, 16, 19, 17, 48, 34, 22, 21, 36, 23, 0], Distance=275.86, RemCap=249.0

Vehicle 2: Route=[0, 24, 31, 39, 14, 33, 25, 0], Distance=132.68, RemCap=344.0

Vehicle 3: Route=[0, 42, 44, 26, 47, 29, 0], Distance=149.17, RemCap=383.0

Total vehicle waiting time = 337.01

Total customer waiting time = 23603.88

--------------------------------------------------

Ep 43/50 | Reward 4684.30 | Loss 521946690.37 | Dist 860.80 | Vehl 4

Vehicle 0: Route=[0, 49, 13, 46, 21, 12, 35, 27, 10, 9, 43, 45, 34, 8, 7, 47, 6, 44, 14, 5, 4, 3, 1, 2, 17, 50, 25, 0], Distance=314.58, RemCap=8.0

Vehicle 1: Route=[0, 37, 41, 48, 26, 28, 39, 32, 38, 23, 36, 18, 15, 0], Distance=203.23, RemCap=292.0

Vehicle 2: Route=[0, 19, 40, 20, 24, 22, 31, 29, 0], Distance=197.93, RemCap=290.0

Vehicle 3: Route=[0, 30, 33, 42, 16, 11, 0], Distance=145.06, RemCap=421.0

Total vehicle waiting time = 345.14

Total customer waiting time = 22872.75

--------------------------------------------------

Ep 44/50 | Reward 4536.60 | Loss 464431099.81 | Dist 925.23 | Vehl 4

Vehicle 0: Route=[0, 41, 50, 37, 13, 40, 1, 3, 4, 19, 2, 5, 44, 6, 7, 8, 34, 45, 43, 38, 10, 9, 22, 21, 46, 35, 30, 0], Distance=346.37, RemCap=16.0

Vehicle 1: Route=[0, 27, 23, 18, 29, 39, 28, 26, 48, 14, 49, 25, 0], Distance=214.81, RemCap=249.0

Vehicle 2: Route=[0, 16, 20, 36, 24, 47, 17, 0], Distance=155.97, RemCap=354.0

Vehicle 3: Route=[0, 11, 42, 33, 32, 31, 15, 12, 0], Distance=208.09, RemCap=392.0

Total vehicle waiting time = 320.21

Total customer waiting time = 23508.36

--------------------------------------------------

Ep 45/50 | Reward 4450.86 | Loss 447531759.85 | Dist 1034.69 | Vehl 4

Vehicle 0: Route=[0, 49, 40, 37, 2, 1, 3, 4, 33, 5, 6, 7, 48, 8, 47, 39, 34, 45, 43, 29, 9, 10, 23, 32, 35, 30, 18, 0], Distance=345.02, RemCap=5.0

Vehicle 1: Route=[0, 25, 41, 28, 44, 17, 19, 11, 46, 36, 38, 21, 0], Distance=266.10, RemCap=281.0

Vehicle 2: Route=[0, 50, 20, 42, 26, 31, 15, 12, 0], Distance=236.70, RemCap=371.0

Vehicle 3: Route=[0, 24, 22, 27, 14, 13, 16, 0], Distance=186.87, RemCap=354.0

Total vehicle waiting time = 199.74

Total customer waiting time = 21578.60

--------------------------------------------------

Ep 46/50 | Reward 4452.08 | Loss 448101330.64 | Dist 931.29 | Vehl 4

Vehicle 0: Route=[0, 49, 1, 3, 4, 5, 33, 2, 17, 50, 25, 41, 6, 7, 8, 47, 39, 45, 43, 29, 9, 10, 38, 31, 32, 15, 0], Distance=289.23, RemCap=0.0

Vehicle 1: Route=[0, 37, 14, 28, 34, 22, 36, 12, 46, 13, 40, 11, 0], Distance=223.51, RemCap=292.0

Vehicle 2: Route=[0, 42, 44, 26, 23, 24, 35, 18, 21, 20, 0], Distance=242.27, RemCap=334.0

Vehicle 3: Route=[0, 30, 27, 48, 19, 16, 0], Distance=176.29, RemCap=385.0

Total vehicle waiting time = 301.83

Total customer waiting time = 23244.89

--------------------------------------------------

Ep 47/50 | Reward 4586.52 | Loss 490445194.83 | Dist 955.65 | Vehl 4

Vehicle 0: Route=[0, 49, 16, 1, 3, 4, 5, 2, 50, 17, 44, 6, 7, 48, 8, 26, 47, 27, 43, 10, 9, 22, 24, 46, 18, 21, 0], Distance=360.11, RemCap=1.0

Vehicle 1: Route=[0, 35, 30, 38, 28, 14, 42, 33, 37, 13, 11, 0], Distance=198.94, RemCap=315.0

Vehicle 2: Route=[0, 25, 41, 32, 39, 45, 31, 15, 36, 23, 0], Distance=175.49, RemCap=328.0

Vehicle 3: Route=[0, 12, 40, 20, 19, 34, 29, 0], Distance=221.12, RemCap=367.0

Total vehicle waiting time = 332.53

Total customer waiting time = 22183.35

--------------------------------------------------

Ep 48/50 | Reward 4587.13 | Loss 471001704.65 | Dist 968.63 | Vehl 4

Vehicle 0: Route=[0, 25, 50, 2, 1, 3, 4, 19, 42, 5, 7, 48, 8, 6, 47, 39, 43, 9, 10, 35, 13, 16, 20, 46, 18, 0], Distance=320.86, RemCap=14.0

Vehicle 1: Route=[0, 17, 33, 26, 32, 45, 29, 38, 36, 12, 15, 40, 11, 0], Distance=266.80, RemCap=305.0

Vehicle 2: Route=[0, 34, 28, 44, 37, 30, 23, 22, 0], Distance=181.95, RemCap=343.0

Vehicle 3: Route=[0, 49, 14, 41, 27, 31, 24, 21, 0], Distance=199.02, RemCap=349.0

Total vehicle waiting time = 407.93

Total customer waiting time = 22871.31

--------------------------------------------------

Ep 49/50 | Reward 4700.04 | Loss 497560294.90 | Dist 960.43 | Vehl 4

Vehicle 0: Route=[0, 35, 46, 40, 1, 3, 4, 2, 5, 14, 6, 47, 39, 7, 8, 34, 45, 43, 9, 10, 31, 18, 12, 24, 27, 50, 25, 0], Distance=333.88, RemCap=6.0

Vehicle 1: Route=[0, 23, 22, 49, 13, 19, 33, 48, 17, 0], Distance=202.80, RemCap=312.0

Vehicle 2: Route=[0, 26, 44, 41, 37, 16, 30, 36, 21, 15, 0], Distance=238.11, RemCap=338.0

Vehicle 3: Route=[0, 38, 29, 32, 28, 42, 20, 11, 0], Distance=185.64, RemCap=355.0

Total vehicle waiting time = 467.72

Total customer waiting time = 22498.16

--------------------------------------------------

Ep 50/50 | Reward 4329.35 | Loss 433298164.78 | Dist 905.62 | Vehl 4

Vehicle 0: Route=[0, 25, 41, 5, 42, 4, 3, 1, 2, 50, 49, 35, 13, 46, 18, 22, 9, 10, 38, 43, 45, 34, 28, 6, 7, 48, 8, 26, 0], Distance=320.93, RemCap=7.0

Vehicle 1: Route=[0, 30, 40, 33, 44, 17, 32, 27, 31, 29, 0], Distance=226.24, RemCap=304.0

Vehicle 2: Route=[0, 24, 36, 23, 47, 14, 19, 16, 11, 0], Distance=169.82, RemCap=306.0

Vehicle 3: Route=[0, 39, 37, 20, 21, 15, 12, 0], Distance=188.63, RemCap=394.0

Total vehicle waiting time = 202.42

Total customer waiting time = 23409.75

--------------------------------------------------

--- Training with max\_vehicles = 5 ---

Ep 1/50 | Reward 4386.48 | Loss 465924232.84 | Dist 1005.29 | Vehl 5

Vehicle 0: Route=[0, 49, 2, 5, 19, 4, 3, 1, 11, 40, 15, 9, 29, 10, 38, 31, 41, 6, 7, 8, 34, 28, 47, 39, 0], Distance=287.13, RemCap=4.0

Vehicle 1: Route=[0, 50, 17, 26, 23, 36, 21, 12, 24, 35, 0], Distance=173.78, RemCap=355.0

Vehicle 2: Route=[0, 33, 42, 48, 27, 30, 46, 20, 0], Distance=181.82, RemCap=392.0

Vehicle 3: Route=[0, 44, 45, 22, 18, 16, 13, 0], Distance=216.78, RemCap=362.0

Vehicle 4: Route=[0, 25, 32, 43, 14, 37, 0], Distance=145.78, RemCap=398.0

Total vehicle waiting time = 156.37

Total customer waiting time = 20081.53

--------------------------------------------------

Ep 2/50 | Reward 4452.40 | Loss 466700355.01 | Dist 1044.02 | Vehl 5

Vehicle 0: Route=[0, 25, 41, 47, 34, 8, 7, 6, 5, 33, 2, 19, 4, 3, 1, 37, 13, 40, 46, 31, 38, 10, 9, 22, 30, 0], Distance=273.45, RemCap=2.0

Vehicle 1: Route=[0, 35, 12, 21, 16, 44, 26, 28, 45, 43, 24, 0], Distance=253.54, RemCap=301.0

Vehicle 2: Route=[0, 27, 20, 49, 50, 14, 48, 17, 0], Distance=162.40, RemCap=348.0

Vehicle 3: Route=[0, 39, 23, 36, 18, 11, 0], Distance=171.10, RemCap=425.0

Vehicle 4: Route=[0, 15, 29, 32, 42, 0], Distance=183.54, RemCap=435.0

Total vehicle waiting time = 199.11

Total customer waiting time = 21817.96

--------------------------------------------------

Ep 3/50 | Reward 4267.25 | Loss 429982647.98 | Dist 1074.08 | Vehl 5

Vehicle 0: Route=[0, 50, 49, 40, 1, 3, 4, 2, 33, 5, 14, 17, 41, 28, 6, 7, 8, 34, 39, 31, 10, 9, 23, 27, 32, 0], Distance=270.33, RemCap=1.0

Vehicle 1: Route=[0, 11, 20, 12, 18, 22, 38, 45, 47, 42, 0], Distance=245.69, RemCap=346.0

Vehicle 2: Route=[0, 13, 37, 44, 29, 15, 36, 35, 0], Distance=209.40, RemCap=359.0

Vehicle 3: Route=[0, 48, 26, 43, 30, 46, 16, 0], Distance=190.49, RemCap=411.0

Vehicle 4: Route=[0, 25, 19, 21, 24, 0], Distance=158.16, RemCap=394.0

Total vehicle waiting time = 11.94

Total customer waiting time = 18963.73

--------------------------------------------------

Ep 4/50 | Reward 4407.41 | Loss 459921250.67 | Dist 1053.58 | Vehl 5

Vehicle 0: Route=[0, 25, 17, 2, 1, 3, 4, 19, 33, 5, 6, 7, 8, 34, 28, 47, 43, 38, 10, 9, 22, 21, 46, 27, 23, 0], Distance=282.35, RemCap=0.0

Vehicle 1: Route=[0, 35, 12, 15, 29, 32, 26, 50, 20, 13, 0], Distance=224.06, RemCap=343.0

Vehicle 2: Route=[0, 49, 40, 37, 44, 31, 45, 48, 0], Distance=223.70, RemCap=329.0

Vehicle 3: Route=[0, 24, 18, 42, 14, 39, 0], Distance=188.85, RemCap=411.0

Vehicle 4: Route=[0, 41, 36, 30, 16, 11, 0], Distance=134.63, RemCap=428.0

Total vehicle waiting time = 146.54

Total customer waiting time = 20915.28

--------------------------------------------------

Ep 5/50 | Reward 4487.14 | Loss 477085252.98 | Dist 966.93 | Vehl 5

Vehicle 0: Route=[0, 27, 24, 46, 13, 11, 16, 37, 1, 3, 4, 19, 5, 33, 2, 17, 41, 6, 7, 48, 8, 28, 43, 9, 10, 32, 0], Distance=271.14, RemCap=3.0

Vehicle 1: Route=[0, 35, 18, 15, 38, 45, 34, 39, 50, 44, 14, 0], Distance=222.30, RemCap=334.0

Vehicle 2: Route=[0, 47, 42, 20, 40, 12, 22, 23, 31, 29, 0], Distance=245.06, RemCap=289.0

Vehicle 3: Route=[0, 30, 21, 26, 49, 0], Distance=169.30, RemCap=430.0

Vehicle 4: Route=[0, 36, 25, 0], Distance=59.13, RemCap=455.0

Total vehicle waiting time = 244.00

Total customer waiting time = 19934.70

--------------------------------------------------

Ep 6/50 | Reward 4510.08 | Loss 500957704.01 | Dist 1028.41 | Vehl 5

Vehicle 0: Route=[0, 41, 6, 8, 7, 44, 17, 50, 2, 33, 5, 19, 4, 3, 1, 40, 20, 46, 30, 27, 24, 15, 22, 9, 10, 38, 32, 0], Distance=318.90, RemCap=0.0

Vehicle 1: Route=[0, 35, 16, 37, 47, 34, 39, 43, 18, 21, 0], Distance=248.63, RemCap=337.0

Vehicle 2: Route=[0, 29, 45, 26, 48, 42, 11, 0], Distance=188.16, RemCap=390.0

Vehicle 3: Route=[0, 23, 12, 13, 49, 25, 28, 0], Distance=147.32, RemCap=372.0

Vehicle 4: Route=[0, 14, 31, 36, 0], Distance=125.40, RemCap=412.0

Total vehicle waiting time = 105.58

Total customer waiting time = 19694.35

--------------------------------------------------

Ep 7/50 | Reward 4351.90 | Loss 425519517.00 | Dist 995.07 | Vehl 5

Vehicle 0: Route=[0, 50, 17, 25, 32, 34, 8, 7, 6, 14, 5, 2, 4, 3, 1, 11, 40, 46, 35, 36, 38, 10, 9, 18, 15, 0], Distance=327.64, RemCap=79.0

Vehicle 1: Route=[0, 49, 33, 42, 41, 44, 48, 47, 39, 29, 0], Distance=168.46, RemCap=317.0

Vehicle 2: Route=[0, 27, 31, 22, 21, 13, 19, 16, 0], Distance=225.50, RemCap=303.0

Vehicle 3: Route=[0, 23, 24, 20, 30, 0], Distance=114.67, RemCap=425.0

Vehicle 4: Route=[0, 37, 28, 26, 45, 43, 12, 0], Distance=158.79, RemCap=387.0

Total vehicle waiting time = 444.38

Total customer waiting time = 21148.49

--------------------------------------------------

Ep 8/50 | Reward 4679.68 | Loss 517492672.95 | Dist 988.33 | Vehl 5

Vehicle 0: Route=[0, 27, 32, 6, 7, 48, 8, 47, 45, 43, 9, 10, 31, 36, 30, 35, 13, 37, 2, 5, 42, 4, 3, 1, 19, 0], Distance=278.79, RemCap=9.0

Vehicle 1: Route=[0, 12, 24, 23, 29, 34, 26, 33, 16, 40, 20, 25, 0], Distance=228.62, RemCap=274.0

Vehicle 2: Route=[0, 17, 44, 39, 18, 21, 11, 0], Distance=195.78, RemCap=394.0

Vehicle 3: Route=[0, 38, 49, 50, 14, 41, 0], Distance=136.83, RemCap=418.0

Vehicle 4: Route=[0, 28, 22, 15, 46, 0], Distance=148.32, RemCap=416.0

Total vehicle waiting time = 382.91

Total customer waiting time = 21351.55

--------------------------------------------------

Ep 9/50 | Reward 4376.08 | Loss 450899497.48 | Dist 994.61 | Vehl 5

Vehicle 0: Route=[0, 25, 50, 2, 33, 19, 1, 3, 4, 42, 5, 6, 7, 8, 26, 34, 39, 45, 43, 9, 10, 23, 24, 35, 12, 46, 20, 11, 0], Distance=274.13, RemCap=5.0

Vehicle 1: Route=[0, 49, 37, 41, 44, 28, 32, 27, 38, 36, 21, 0], Distance=209.09, RemCap=305.0

Vehicle 2: Route=[0, 16, 40, 30, 18, 29, 48, 17, 0], Distance=227.92, RemCap=362.0

Vehicle 3: Route=[0, 22, 13, 0], Distance=113.98, RemCap=449.0

Vehicle 4: Route=[0, 14, 47, 31, 15, 0], Distance=169.49, RemCap=390.0

Total vehicle waiting time = 299.86

Total customer waiting time = 20568.53

--------------------------------------------------

Ep 10/50 | Reward 4600.33 | Loss 518566163.50 | Dist 959.38 | Vehl 5

Vehicle 0: Route=[0, 50, 17, 44, 6, 7, 8, 34, 39, 32, 10, 29, 9, 12, 24, 35, 46, 11, 40, 16, 1, 3, 4, 19, 2, 5, 42, 0], Distance=293.11, RemCap=5.0

Vehicle 1: Route=[0, 14, 23, 31, 38, 22, 36, 21, 15, 0], Distance=209.74, RemCap=324.0

Vehicle 2: Route=[0, 49, 30, 18, 43, 28, 47, 25, 0], Distance=177.12, RemCap=356.0

Vehicle 3: Route=[0, 20, 33, 26, 48, 0], Distance=138.05, RemCap=410.0

Vehicle 4: Route=[0, 27, 45, 41, 37, 13, 0], Distance=141.35, RemCap=416.0

Total vehicle waiting time = 250.31

Total customer waiting time = 20459.29

--------------------------------------------------

Ep 11/50 | Reward 4422.65 | Loss 460908589.51 | Dist 882.14 | Vehl 5

Vehicle 0: Route=[0, 25, 2, 41, 6, 28, 34, 8, 48, 7, 44, 14, 5, 4, 3, 1, 40, 13, 36, 31, 38, 10, 9, 43, 32, 0], Distance=299.40, RemCap=1.0

Vehicle 1: Route=[0, 50, 17, 47, 26, 45, 23, 22, 15, 30, 0], Distance=186.62, RemCap=328.0

Vehicle 2: Route=[0, 49, 27, 12, 18, 21, 16, 11, 0], Distance=159.44, RemCap=390.0

Vehicle 3: Route=[0, 24, 29, 39, 37, 19, 42, 33, 0], Distance=163.59, RemCap=338.0

Vehicle 4: Route=[0, 35, 46, 20, 0], Distance=73.08, RemCap=454.0

Total vehicle waiting time = 348.38

Total customer waiting time = 22396.25

--------------------------------------------------

Ep 12/50 | Reward 4151.54 | Loss 393393357.59 | Dist 988.99 | Vehl 5

Vehicle 0: Route=[0, 35, 46, 21, 22, 9, 10, 31, 45, 34, 8, 28, 6, 7, 5, 19, 4, 3, 1, 40, 20, 2, 33, 0], Distance=317.90, RemCap=3.0

Vehicle 1: Route=[0, 49, 41, 39, 43, 38, 36, 12, 30, 11, 0], Distance=183.30, RemCap=397.0

Vehicle 2: Route=[0, 50, 17, 14, 26, 47, 27, 24, 23, 0], Distance=121.16, RemCap=333.0

Vehicle 3: Route=[0, 16, 37, 25, 48, 32, 29, 0], Distance=187.04, RemCap=355.0

Vehicle 4: Route=[0, 44, 42, 13, 15, 18, 0], Distance=179.59, RemCap=423.0

Total vehicle waiting time = 265.38

Total customer waiting time = 23492.13

--------------------------------------------------

Ep 13/50 | Reward 4173.15 | Loss 396764475.92 | Dist 1062.58 | Vehl 5

Vehicle 0: Route=[0, 50, 2, 1, 3, 4, 19, 42, 5, 17, 41, 6, 7, 8, 47, 39, 32, 27, 46, 21, 9, 10, 43, 45, 31, 23, 0], Distance=316.11, RemCap=12.0

Vehicle 1: Route=[0, 28, 25, 49, 37, 13, 18, 38, 36, 12, 0], Distance=225.73, RemCap=328.0

Vehicle 2: Route=[0, 35, 33, 11, 40, 22, 30, 0], Distance=189.77, RemCap=397.0

Vehicle 3: Route=[0, 48, 26, 24, 15, 20, 16, 0], Distance=196.39, RemCap=371.0

Vehicle 4: Route=[0, 14, 44, 34, 29, 0], Distance=134.58, RemCap=403.0

Total vehicle waiting time = 282.12

Total customer waiting time = 22612.10

--------------------------------------------------

Ep 14/50 | Reward 4297.39 | Loss 448705100.54 | Dist 933.08 | Vehl 5

Vehicle 0: Route=[0, 30, 38, 10, 9, 29, 43, 45, 8, 48, 7, 6, 25, 50, 2, 5, 14, 42, 4, 3, 1, 37, 13, 11, 40, 20, 0], Distance=286.39, RemCap=8.0

Vehicle 1: Route=[0, 49, 19, 16, 46, 35, 12, 36, 31, 23, 0], Distance=180.47, RemCap=315.0

Vehicle 2: Route=[0, 34, 39, 32, 27, 22, 0], Distance=123.80, RemCap=408.0

Vehicle 3: Route=[0, 44, 28, 47, 24, 18, 21, 0], Distance=162.34, RemCap=354.0

Vehicle 4: Route=[0, 17, 33, 26, 41, 15, 0], Distance=180.09, RemCap=426.0

Total vehicle waiting time = 141.24

Total customer waiting time = 21022.27

--------------------------------------------------

Ep 15/50 | Reward 4316.26 | Loss 432308573.70 | Dist 1115.13 | Vehl 5

Vehicle 0: Route=[0, 35, 25, 50, 5, 4, 3, 1, 2, 49, 40, 46, 30, 18, 15, 9, 10, 38, 47, 6, 7, 48, 8, 26, 43, 0], Distance=354.65, RemCap=74.0

Vehicle 1: Route=[0, 36, 39, 34, 41, 17, 33, 13, 20, 0], Distance=175.99, RemCap=358.0

Vehicle 2: Route=[0, 32, 28, 42, 37, 11, 21, 29, 23, 0], Distance=248.29, RemCap=335.0

Vehicle 3: Route=[0, 24, 12, 31, 27, 44, 0], Distance=131.42, RemCap=395.0

Vehicle 4: Route=[0, 22, 45, 14, 19, 16, 0], Distance=204.79, RemCap=349.0

Total vehicle waiting time = 219.87

Total customer waiting time = 21041.12

--------------------------------------------------

Ep 16/50 | Reward 4289.47 | Loss 422883805.44 | Dist 936.13 | Vehl 5

Vehicle 0: Route=[0, 20, 30, 21, 18, 15, 10, 9, 29, 45, 26, 8, 48, 14, 5, 42, 19, 4, 3, 1, 2, 41, 6, 7, 47, 0], Distance=322.51, RemCap=6.0

Vehicle 1: Route=[0, 35, 46, 11, 16, 37, 50, 17, 43, 31, 12, 0], Distance=198.99, RemCap=336.0

Vehicle 2: Route=[0, 24, 36, 32, 39, 34, 28, 44, 25, 49, 0], Distance=122.53, RemCap=303.0

Vehicle 3: Route=[0, 40, 27, 22, 23, 0], Distance=145.20, RemCap=416.0

Vehicle 4: Route=[0, 38, 33, 13, 0], Distance=146.90, RemCap=450.0

Total vehicle waiting time = 181.61

Total customer waiting time = 20350.23

--------------------------------------------------

Ep 17/50 | Reward 4610.73 | Loss 526347101.29 | Dist 960.06 | Vehl 5

Vehicle 0: Route=[0, 49, 25, 38, 10, 9, 22, 12, 16, 1, 3, 4, 19, 2, 42, 5, 14, 44, 41, 6, 7, 8, 28, 0], Distance=273.11, RemCap=16.0

Vehicle 1: Route=[0, 35, 18, 15, 23, 31, 39, 26, 48, 37, 40, 0], Distance=239.37, RemCap=307.0

Vehicle 2: Route=[0, 24, 34, 47, 50, 13, 20, 11, 0], Distance=145.51, RemCap=365.0

Vehicle 3: Route=[0, 43, 29, 36, 21, 46, 30, 0], Distance=173.29, RemCap=413.0

Vehicle 4: Route=[0, 27, 45, 32, 33, 17, 0], Distance=128.79, RemCap=410.0

Total vehicle waiting time = 23.03

Total customer waiting time = 17418.68

--------------------------------------------------

Ep 18/50 | Reward 4345.37 | Loss 433283972.69 | Dist 947.26 | Vehl 5

Vehicle 0: Route=[0, 27, 36, 12, 46, 13, 37, 2, 1, 3, 4, 5, 25, 44, 6, 7, 8, 39, 45, 43, 31, 38, 10, 9, 22, 15, 18, 0], Distance=334.42, RemCap=5.0

Vehicle 1: Route=[0, 50, 19, 33, 26, 29, 30, 21, 16, 11, 0], Distance=258.06, RemCap=305.0

Vehicle 2: Route=[0, 41, 42, 14, 48, 34, 28, 0], Distance=116.43, RemCap=385.0

Vehicle 3: Route=[0, 47, 32, 23, 24, 40, 0], Distance=143.43, RemCap=399.0

Vehicle 4: Route=[0, 35, 20, 17, 49, 0], Distance=94.92, RemCap=417.0

Total vehicle waiting time = 265.72

Total customer waiting time = 22484.38

--------------------------------------------------

Ep 19/50 | Reward 4968.38 | Loss 642645577.20 | Dist 1090.86 | Vehl 5

Vehicle 0: Route=[0, 35, 13, 1, 3, 4, 5, 2, 49, 50, 17, 41, 47, 28, 6, 7, 48, 8, 34, 31, 38, 10, 9, 24, 15, 30, 46, 0], Distance=301.77, RemCap=5.0

Vehicle 1: Route=[0, 20, 40, 18, 23, 27, 32, 39, 14, 0], Distance=214.21, RemCap=342.0

Vehicle 2: Route=[0, 36, 21, 16, 33, 26, 45, 0], Distance=240.04, RemCap=372.0

Vehicle 3: Route=[0, 29, 25, 37, 11, 42, 19, 0], Distance=186.16, RemCap=360.0

Vehicle 4: Route=[0, 12, 22, 43, 44, 0], Distance=148.68, RemCap=432.0

Total vehicle waiting time = 3.00

Total customer waiting time = 16449.12

--------------------------------------------------

Ep 20/50 | Reward 4320.34 | Loss 401849891.50 | Dist 1083.23 | Vehl 5

Vehicle 0: Route=[0, 27, 24, 21, 22, 9, 10, 38, 31, 43, 41, 37, 11, 40, 1, 3, 4, 2, 33, 5, 44, 6, 7, 8, 28, 0], Distance=343.89, RemCap=2.0

Vehicle 1: Route=[0, 35, 16, 17, 48, 47, 45, 29, 18, 30, 0], Distance=244.36, RemCap=319.0

Vehicle 2: Route=[0, 50, 34, 42, 19, 20, 15, 12, 0], Distance=211.44, RemCap=381.0

Vehicle 3: Route=[0, 13, 36, 32, 26, 25, 0], Distance=144.59, RemCap=400.0

Vehicle 4: Route=[0, 49, 46, 23, 39, 14, 0], Distance=138.95, RemCap=409.0

Total vehicle waiting time = 218.04

Total customer waiting time = 21529.82

--------------------------------------------------

Ep 21/50 | Reward 4340.38 | Loss 449794558.28 | Dist 1060.81 | Vehl 5

Vehicle 0: Route=[0, 49, 13, 40, 15, 9, 10, 38, 45, 27, 24, 35, 32, 6, 7, 8, 14, 5, 42, 4, 3, 1, 19, 2, 17, 0], Distance=340.08, RemCap=27.0

Vehicle 1: Route=[0, 33, 47, 26, 34, 29, 36, 18, 16, 20, 0], Distance=244.64, RemCap=302.0

Vehicle 2: Route=[0, 30, 12, 23, 31, 43, 41, 25, 0], Distance=130.92, RemCap=392.0

Vehicle 3: Route=[0, 22, 39, 44, 50, 37, 11, 0], Distance=179.25, RemCap=373.0

Vehicle 4: Route=[0, 48, 28, 46, 21, 0], Distance=165.92, RemCap=417.0

Total vehicle waiting time = 36.55

Total customer waiting time = 21366.93

--------------------------------------------------

Ep 22/50 | Reward 4264.25 | Loss 424094421.03 | Dist 985.13 | Vehl 5

Vehicle 0: Route=[0, 12, 10, 9, 43, 45, 39, 28, 26, 8, 48, 7, 6, 44, 17, 37, 13, 16, 1, 3, 4, 5, 2, 19, 0], Distance=273.65, RemCap=1.0

Vehicle 1: Route=[0, 32, 31, 23, 24, 35, 49, 46, 18, 40, 11, 0], Distance=213.15, RemCap=332.0

Vehicle 2: Route=[0, 50, 41, 47, 30, 22, 38, 29, 0], Distance=164.86, RemCap=369.0

Vehicle 3: Route=[0, 33, 42, 14, 34, 27, 21, 0], Distance=195.21, RemCap=394.0

Vehicle 4: Route=[0, 36, 15, 20, 25, 0], Distance=138.26, RemCap=415.0

Total vehicle waiting time = 201.88

Total customer waiting time = 21928.20

--------------------------------------------------

Ep 23/50 | Reward 4092.00 | Loss 366676658.28 | Dist 969.15 | Vehl 5

Vehicle 0: Route=[0, 35, 24, 12, 18, 15, 22, 9, 10, 31, 43, 39, 8, 7, 6, 14, 5, 19, 4, 3, 1, 2, 37, 40, 49, 0], Distance=296.88, RemCap=3.0

Vehicle 1: Route=[0, 11, 33, 50, 47, 28, 26, 34, 38, 29, 0], Distance=196.96, RemCap=314.0

Vehicle 2: Route=[0, 13, 16, 21, 36, 27, 45, 48, 42, 0], Distance=259.24, RemCap=346.0

Vehicle 3: Route=[0, 41, 17, 46, 20, 0], Distance=109.71, RemCap=443.0

Vehicle 4: Route=[0, 30, 23, 32, 44, 25, 0], Distance=106.37, RemCap=405.0

Total vehicle waiting time = 219.94

Total customer waiting time = 23407.69

--------------------------------------------------

Ep 24/50 | Reward 4475.66 | Loss 477089508.84 | Dist 1018.52 | Vehl 5

Vehicle 0: Route=[0, 50, 2, 5, 19, 4, 3, 1, 11, 30, 18, 12, 36, 24, 10, 9, 29, 43, 31, 32, 34, 8, 7, 6, 44, 14, 0], Distance=330.11, RemCap=6.0

Vehicle 1: Route=[0, 22, 45, 26, 41, 25, 33, 42, 37, 20, 16, 0], Distance=235.32, RemCap=284.0

Vehicle 2: Route=[0, 49, 15, 38, 47, 39, 0], Distance=160.83, RemCap=409.0

Vehicle 3: Route=[0, 17, 35, 46, 21, 23, 0], Distance=139.27, RemCap=428.0

Vehicle 4: Route=[0, 13, 40, 27, 48, 28, 0], Distance=152.99, RemCap=384.0

Total vehicle waiting time = 191.47

Total customer waiting time = 22277.35

--------------------------------------------------

Ep 25/50 | Reward 4401.29 | Loss 455520970.08 | Dist 967.36 | Vehl 5

Vehicle 0: Route=[0, 25, 32, 34, 26, 8, 7, 6, 44, 14, 5, 42, 4, 3, 1, 2, 49, 35, 12, 15, 22, 38, 10, 9, 29, 43, 45, 0], Distance=285.50, RemCap=6.0

Vehicle 1: Route=[0, 50, 41, 48, 28, 27, 18, 46, 20, 0], Distance=199.20, RemCap=360.0

Vehicle 2: Route=[0, 39, 19, 37, 13, 11, 40, 0], Distance=150.17, RemCap=367.0

Vehicle 3: Route=[0, 33, 47, 31, 24, 30, 0], Distance=142.97, RemCap=382.0

Vehicle 4: Route=[0, 17, 16, 23, 36, 21, 0], Distance=189.52, RemCap=396.0

Total vehicle waiting time = 224.74

Total customer waiting time = 20622.37

--------------------------------------------------

Ep 26/50 | Reward 4379.21 | Loss 441995672.59 | Dist 1000.29 | Vehl 5

Vehicle 0: Route=[0, 25, 50, 2, 4, 3, 1, 13, 46, 27, 36, 12, 15, 22, 38, 10, 9, 29, 43, 39, 26, 8, 7, 6, 14, 5, 33, 0], Distance=319.95, RemCap=9.0

Vehicle 1: Route=[0, 35, 23, 45, 17, 49, 11, 18, 21, 0], Distance=230.79, RemCap=370.0

Vehicle 2: Route=[0, 44, 28, 34, 31, 30, 40, 16, 0], Distance=184.37, RemCap=324.0

Vehicle 3: Route=[0, 32, 48, 41, 37, 42, 19, 0], Distance=130.90, RemCap=387.0

Vehicle 4: Route=[0, 20, 47, 24, 0], Distance=134.29, RemCap=421.0

Total vehicle waiting time = 0.00

Total customer waiting time = 18976.13

--------------------------------------------------

Ep 27/50 | Reward 4206.68 | Loss 381698388.50 | Dist 993.52 | Vehl 5

Vehicle 0: Route=[0, 35, 46, 21, 15, 12, 30, 27, 10, 9, 29, 43, 45, 28, 8, 48, 7, 6, 44, 5, 42, 4, 3, 1, 2, 17, 25, 0], Distance=281.58, RemCap=16.0

Vehicle 1: Route=[0, 11, 13, 24, 22, 31, 39, 47, 14, 0], Distance=196.12, RemCap=300.0

Vehicle 2: Route=[0, 40, 37, 33, 34, 32, 23, 36, 0], Distance=183.15, RemCap=377.0

Vehicle 3: Route=[0, 20, 16, 49, 50, 41, 38, 0], Distance=150.59, RemCap=388.0

Vehicle 4: Route=[0, 19, 26, 18, 0], Distance=182.08, RemCap=430.0

Total vehicle waiting time = 161.47

Total customer waiting time = 21879.90

--------------------------------------------------

Ep 28/50 | Reward 4412.30 | Loss 473101726.01 | Dist 986.75 | Vehl 5

Vehicle 0: Route=[0, 46, 21, 18, 9, 10, 31, 45, 26, 8, 48, 7, 6, 14, 5, 33, 2, 19, 4, 3, 1, 11, 40, 16, 0], Distance=292.02, RemCap=7.0

Vehicle 1: Route=[0, 30, 15, 23, 27, 25, 28, 43, 38, 0], Distance=203.05, RemCap=364.0

Vehicle 2: Route=[0, 35, 24, 22, 13, 37, 50, 42, 47, 0], Distance=199.25, RemCap=338.0

Vehicle 3: Route=[0, 49, 20, 12, 29, 41, 17, 0], Distance=167.08, RemCap=392.0

Vehicle 4: Route=[0, 36, 32, 44, 39, 34, 0], Distance=125.36, RemCap=410.0

Total vehicle waiting time = 19.16

Total customer waiting time = 20508.93

--------------------------------------------------

Ep 29/50 | Reward 4568.38 | Loss 477623099.58 | Dist 956.15 | Vehl 5

Vehicle 0: Route=[0, 2, 19, 1, 3, 4, 42, 5, 44, 6, 7, 8, 26, 28, 39, 31, 38, 10, 9, 18, 21, 16, 11, 35, 0], Distance=275.34, RemCap=0.0

Vehicle 1: Route=[0, 46, 40, 49, 50, 47, 34, 45, 29, 15, 24, 0], Distance=243.96, RemCap=321.0

Vehicle 2: Route=[0, 25, 48, 32, 27, 30, 20, 33, 17, 0], Distance=188.15, RemCap=344.0

Vehicle 3: Route=[0, 13, 23, 43, 22, 36, 12, 0], Distance=172.48, RemCap=404.0

Vehicle 4: Route=[0, 37, 14, 41, 0], Distance=76.22, RemCap=442.0

Total vehicle waiting time = 64.81

Total customer waiting time = 17920.83

--------------------------------------------------

Ep 30/50 | Reward 4331.93 | Loss 392698180.54 | Dist 1092.02 | Vehl 5

Vehicle 0: Route=[0, 35, 24, 41, 17, 37, 11, 40, 1, 3, 4, 19, 2, 42, 5, 14, 6, 7, 8, 28, 10, 9, 43, 45, 39, 0], Distance=315.82, RemCap=14.0

Vehicle 1: Route=[0, 27, 23, 31, 18, 12, 30, 16, 33, 50, 25, 26, 0], Distance=251.77, RemCap=292.0

Vehicle 2: Route=[0, 13, 49, 44, 32, 29, 22, 21, 0], Distance=223.69, RemCap=336.0

Vehicle 3: Route=[0, 48, 34, 38, 15, 46, 36, 0], Distance=188.72, RemCap=429.0

Vehicle 4: Route=[0, 20, 47, 0], Distance=112.02, RemCap=440.0

Total vehicle waiting time = 342.84

Total customer waiting time = 22587.71

--------------------------------------------------

Ep 31/50 | Reward 4708.24 | Loss 545738927.68 | Dist 1127.34 | Vehl 5

Vehicle 0: Route=[0, 50, 49, 35, 27, 32, 10, 9, 43, 39, 28, 8, 48, 7, 6, 41, 44, 5, 33, 4, 3, 1, 2, 37, 40, 46, 12, 36, 0], Distance=330.18, RemCap=3.0

Vehicle 1: Route=[0, 34, 26, 42, 11, 21, 23, 38, 31, 0], Distance=245.90, RemCap=363.0

Vehicle 2: Route=[0, 17, 47, 14, 13, 18, 24, 0], Distance=193.24, RemCap=372.0

Vehicle 3: Route=[0, 19, 20, 30, 22, 45, 29, 0], Distance=216.67, RemCap=340.0

Vehicle 4: Route=[0, 25, 16, 15, 0], Distance=141.36, RemCap=433.0

Total vehicle waiting time = 168.59

Total customer waiting time = 20844.40

--------------------------------------------------

Ep 32/50 | Reward 4214.16 | Loss 387135254.68 | Dist 1010.00 | Vehl 5

Vehicle 0: Route=[0, 16, 11, 46, 21, 18, 12, 27, 23, 10, 9, 43, 45, 32, 39, 26, 8, 48, 5, 4, 3, 1, 2, 6, 7, 28, 47, 0], Distance=357.02, RemCap=9.0

Vehicle 1: Route=[0, 25, 50, 13, 20, 22, 34, 44, 42, 14, 0], Distance=235.65, RemCap=299.0

Vehicle 2: Route=[0, 41, 19, 40, 35, 24, 38, 29, 31, 0], Distance=191.82, RemCap=323.0

Vehicle 3: Route=[0, 36, 15, 49, 33, 0], Distance=143.53, RemCap=431.0

Vehicle 4: Route=[0, 30, 37, 17, 0], Distance=81.97, RemCap=449.0

Total vehicle waiting time = 324.57

Total customer waiting time = 24720.88

--------------------------------------------------

Ep 33/50 | Reward 4455.87 | Loss 472275271.71 | Dist 1037.08 | Vehl 5

Vehicle 0: Route=[0, 49, 50, 17, 2, 1, 3, 4, 19, 5, 44, 48, 8, 7, 6, 43, 10, 9, 22, 23, 36, 30, 46, 13, 16, 11, 0], Distance=285.58, RemCap=2.0

Vehicle 1: Route=[0, 27, 24, 18, 38, 47, 41, 42, 14, 0], Distance=208.77, RemCap=370.0

Vehicle 2: Route=[0, 33, 37, 20, 15, 45, 39, 34, 28, 0], Distance=234.62, RemCap=327.0

Vehicle 3: Route=[0, 32, 26, 29, 21, 40, 0], Distance=217.64, RemCap=395.0

Vehicle 4: Route=[0, 35, 12, 31, 25, 0], Distance=90.47, RemCap=417.0

Total vehicle waiting time = 80.59

Total customer waiting time = 20226.76

--------------------------------------------------

Ep 34/50 | Reward 4193.26 | Loss 393423458.34 | Dist 1050.31 | Vehl 5

Vehicle 0: Route=[0, 25, 50, 2, 5, 42, 4, 3, 1, 37, 49, 46, 21, 36, 24, 9, 10, 32, 41, 44, 6, 39, 34, 7, 48, 8, 26, 0], Distance=315.35, RemCap=16.0

Vehicle 1: Route=[0, 27, 18, 22, 43, 33, 13, 11, 16, 20, 0], Distance=247.56, RemCap=326.0

Vehicle 2: Route=[0, 35, 19, 14, 28, 45, 38, 31, 0], Distance=161.04, RemCap=307.0

Vehicle 3: Route=[0, 17, 40, 15, 23, 30, 0], Distance=182.82, RemCap=425.0

Vehicle 4: Route=[0, 47, 12, 29, 0], Distance=143.55, RemCap=437.0

Total vehicle waiting time = 151.17

Total customer waiting time = 22743.61

--------------------------------------------------

Ep 35/50 | Reward 4116.50 | Loss 348304828.66 | Dist 1085.74 | Vehl 5

Vehicle 0: Route=[0, 17, 2, 1, 3, 4, 5, 14, 6, 7, 8, 34, 39, 41, 32, 38, 10, 9, 15, 40, 16, 37, 49, 35, 30, 0], Distance=334.05, RemCap=55.0

Vehicle 1: Route=[0, 36, 31, 23, 27, 44, 33, 19, 13, 0], Distance=172.49, RemCap=302.0

Vehicle 2: Route=[0, 25, 42, 48, 28, 45, 46, 11, 20, 0], Distance=207.75, RemCap=340.0

Vehicle 3: Route=[0, 50, 26, 24, 21, 22, 29, 0], Distance=209.85, RemCap=364.0

Vehicle 4: Route=[0, 47, 43, 18, 12, 0], Distance=161.60, RemCap=450.0

Total vehicle waiting time = 354.06

Total customer waiting time = 23123.04

--------------------------------------------------

Ep 36/50 | Reward 4370.62 | Loss 412703125.30 | Dist 1039.90 | Vehl 5

Vehicle 0: Route=[0, 25, 6, 7, 26, 8, 14, 5, 19, 4, 3, 1, 2, 16, 13, 46, 30, 18, 24, 23, 45, 43, 10, 9, 29, 0], Distance=325.30, RemCap=8.0

Vehicle 1: Route=[0, 40, 50, 17, 42, 48, 34, 47, 38, 15, 0], Distance=261.84, RemCap=355.0

Vehicle 2: Route=[0, 27, 32, 39, 41, 33, 11, 37, 0], Distance=147.11, RemCap=391.0

Vehicle 3: Route=[0, 49, 28, 31, 22, 36, 12, 21, 0], Distance=185.70, RemCap=327.0

Vehicle 4: Route=[0, 35, 44, 20, 0], Distance=119.95, RemCap=430.0

Total vehicle waiting time = 274.76

Total customer waiting time = 22814.01

--------------------------------------------------

Ep 37/50 | Reward 4211.76 | Loss 379055983.80 | Dist 1031.86 | Vehl 5

Vehicle 0: Route=[0, 25, 23, 10, 9, 36, 15, 21, 40, 11, 13, 49, 1, 3, 4, 42, 2, 5, 14, 6, 7, 48, 8, 34, 39, 26, 0], Distance=325.39, RemCap=17.0

Vehicle 1: Route=[0, 41, 31, 38, 29, 18, 46, 16, 19, 0], Distance=226.74, RemCap=332.0

Vehicle 2: Route=[0, 50, 35, 27, 32, 45, 47, 28, 0], Distance=129.66, RemCap=350.0

Vehicle 3: Route=[0, 33, 30, 24, 43, 22, 0], Distance=190.38, RemCap=414.0

Vehicle 4: Route=[0, 17, 44, 37, 12, 20, 0], Distance=159.69, RemCap=398.0

Total vehicle waiting time = 202.05

Total customer waiting time = 21475.24

--------------------------------------------------

Ep 38/50 | Reward 4496.72 | Loss 433283186.66 | Dist 1050.94 | Vehl 5

Vehicle 0: Route=[0, 49, 25, 27, 35, 46, 13, 40, 16, 1, 3, 4, 42, 5, 2, 7, 8, 34, 6, 47, 32, 45, 10, 9, 22, 12, 15, 18, 0], Distance=359.52, RemCap=1.0

Vehicle 1: Route=[0, 24, 36, 23, 31, 29, 44, 14, 0], Distance=145.92, RemCap=319.0

Vehicle 2: Route=[0, 11, 37, 33, 17, 38, 43, 26, 0], Distance=209.74, RemCap=391.0

Vehicle 3: Route=[0, 30, 20, 50, 41, 48, 28, 0], Distance=149.00, RemCap=380.0

Vehicle 4: Route=[0, 39, 19, 21, 0], Distance=186.76, RemCap=420.0

Total vehicle waiting time = 348.71

Total customer waiting time = 21061.69

--------------------------------------------------

Ep 39/50 | Reward 4322.22 | Loss 418198693.76 | Dist 1085.27 | Vehl 5

Vehicle 0: Route=[0, 35, 12, 24, 23, 9, 10, 32, 47, 39, 34, 26, 8, 7, 6, 14, 5, 2, 4, 3, 1, 40, 13, 49, 25, 17, 0], Distance=275.66, RemCap=6.0

Vehicle 1: Route=[0, 50, 33, 20, 18, 36, 38, 31, 45, 28, 0], Distance=234.26, RemCap=296.0

Vehicle 2: Route=[0, 21, 46, 37, 44, 42, 19, 0], Distance=185.09, RemCap=377.0

Vehicle 3: Route=[0, 41, 48, 43, 15, 11, 30, 0], Distance=231.84, RemCap=439.0

Vehicle 4: Route=[0, 16, 27, 29, 22, 0], Distance=158.42, RemCap=393.0

Total vehicle waiting time = 0.00

Total customer waiting time = 19271.66

--------------------------------------------------

Ep 40/50 | Reward 4371.63 | Loss 447126025.88 | Dist 964.70 | Vehl 5

Vehicle 0: Route=[0, 50, 2, 5, 4, 3, 1, 16, 40, 20, 13, 21, 46, 35, 23, 36, 9, 10, 38, 32, 41, 6, 7, 48, 8, 39, 47, 0], Distance=332.48, RemCap=3.0

Vehicle 1: Route=[0, 19, 42, 33, 14, 44, 28, 31, 24, 30, 15, 0], Distance=205.05, RemCap=255.0

Vehicle 2: Route=[0, 49, 37, 29, 43, 34, 17, 0], Distance=153.28, RemCap=390.0

Vehicle 3: Route=[0, 12, 18, 22, 45, 27, 0], Distance=151.29, RemCap=420.0

Vehicle 4: Route=[0, 11, 26, 25, 0], Distance=122.60, RemCap=443.0

Total vehicle waiting time = 134.64

Total customer waiting time = 19662.80

--------------------------------------------------

Ep 41/50 | Reward 4074.36 | Loss 351324610.86 | Dist 1042.88 | Vehl 5

Vehicle 0: Route=[0, 23, 12, 46, 49, 2, 1, 3, 4, 19, 33, 5, 41, 6, 7, 8, 34, 39, 47, 32, 45, 31, 38, 10, 9, 22, 0], Distance=283.36, RemCap=5.0

Vehicle 1: Route=[0, 25, 17, 50, 37, 16, 20, 30, 29, 27, 24, 0], Distance=177.32, RemCap=281.0

Vehicle 2: Route=[0, 40, 43, 48, 14, 44, 0], Distance=211.37, RemCap=396.0

Vehicle 3: Route=[0, 28, 26, 11, 13, 36, 21, 15, 0], Distance=221.22, RemCap=362.0

Vehicle 4: Route=[0, 35, 18, 42, 0], Distance=149.61, RemCap=467.0

Total vehicle waiting time = 219.08

Total customer waiting time = 22484.34

--------------------------------------------------

Ep 42/50 | Reward 4568.83 | Loss 469788599.84 | Dist 1107.35 | Vehl 5

Vehicle 0: Route=[0, 35, 12, 27, 31, 10, 9, 45, 39, 37, 13, 11, 40, 1, 3, 4, 2, 33, 5, 14, 44, 6, 7, 8, 26, 0], Distance=309.28, RemCap=8.0

Vehicle 1: Route=[0, 18, 22, 29, 38, 23, 25, 50, 48, 47, 0], Distance=204.31, RemCap=309.0

Vehicle 2: Route=[0, 32, 34, 19, 49, 46, 15, 0], Distance=189.43, RemCap=401.0

Vehicle 3: Route=[0, 43, 36, 16, 17, 41, 0], Distance=185.67, RemCap=421.0

Vehicle 4: Route=[0, 42, 28, 24, 30, 21, 20, 0], Distance=218.66, RemCap=372.0

Total vehicle waiting time = 192.47

Total customer waiting time = 19840.60

--------------------------------------------------

Ep 43/50 | Reward 4343.59 | Loss 420991524.66 | Dist 992.05 | Vehl 5

Vehicle 0: Route=[0, 31, 38, 10, 9, 36, 30, 46, 40, 11, 13, 37, 2, 19, 1, 3, 4, 5, 44, 41, 6, 7, 48, 8, 28, 0], Distance=261.61, RemCap=5.0

Vehicle 1: Route=[0, 49, 16, 42, 39, 27, 24, 23, 22, 15, 0], Distance=235.84, RemCap=326.0

Vehicle 2: Route=[0, 29, 43, 34, 17, 14, 33, 0], Distance=162.09, RemCap=384.0

Vehicle 3: Route=[0, 32, 25, 50, 20, 21, 12, 0], Distance=165.83, RemCap=389.0

Vehicle 4: Route=[0, 35, 18, 45, 26, 47, 0], Distance=166.67, RemCap=407.0

Total vehicle waiting time = 148.42

Total customer waiting time = 20652.95

--------------------------------------------------

Ep 44/50 | Reward 4484.43 | Loss 456781139.19 | Dist 1193.90 | Vehl 5

Vehicle 0: Route=[0, 35, 46, 30, 27, 38, 10, 9, 45, 39, 8, 48, 7, 6, 44, 5, 33, 2, 4, 3, 1, 16, 37, 17, 32, 25, 50, 0], Distance=303.89, RemCap=2.0

Vehicle 1: Route=[0, 34, 42, 13, 40, 21, 31, 12, 0], Distance=264.93, RemCap=377.0

Vehicle 2: Route=[0, 41, 47, 14, 49, 11, 36, 22, 0], Distance=197.44, RemCap=355.0

Vehicle 3: Route=[0, 28, 43, 24, 18, 20, 0], Distance=206.00, RemCap=394.0

Vehicle 4: Route=[0, 23, 29, 15, 19, 26, 0], Distance=221.63, RemCap=383.0

Total vehicle waiting time = 36.05

Total customer waiting time = 17558.07

--------------------------------------------------

Ep 45/50 | Reward 4074.38 | Loss 344864288.94 | Dist 1043.48 | Vehl 5

Vehicle 0: Route=[0, 25, 50, 2, 1, 3, 4, 19, 42, 5, 41, 6, 7, 8, 34, 47, 32, 38, 10, 9, 22, 18, 21, 12, 46, 35, 27, 0], Distance=271.65, RemCap=31.0

Vehicle 1: Route=[0, 20, 30, 36, 43, 45, 44, 14, 37, 0], Distance=209.01, RemCap=336.0

Vehicle 2: Route=[0, 13, 23, 31, 48, 28, 0], Distance=155.35, RemCap=363.0

Vehicle 3: Route=[0, 17, 33, 40, 24, 29, 39, 0], Distance=204.69, RemCap=372.0

Vehicle 4: Route=[0, 49, 26, 15, 16, 11, 0], Distance=202.78, RemCap=409.0

Total vehicle waiting time = 241.08

Total customer waiting time = 22461.33

--------------------------------------------------

Ep 46/50 | Reward 4452.30 | Loss 454395606.43 | Dist 1015.53 | Vehl 5

Vehicle 0: Route=[0, 49, 16, 1, 3, 4, 2, 33, 5, 14, 50, 41, 39, 6, 7, 8, 26, 34, 45, 43, 9, 10, 23, 24, 35, 46, 12, 18, 0], Distance=339.79, RemCap=26.0

Vehicle 1: Route=[0, 27, 38, 29, 47, 28, 19, 13, 11, 20, 0], Distance=181.35, RemCap=274.0

Vehicle 2: Route=[0, 25, 37, 17, 48, 31, 15, 21, 30, 0], Distance=197.38, RemCap=332.0

Vehicle 3: Route=[0, 40, 36, 32, 44, 0], Distance=160.73, RemCap=420.0

Vehicle 4: Route=[0, 42, 22, 0], Distance=136.28, RemCap=459.0

Total vehicle waiting time = 52.96

Total customer waiting time = 20211.72

--------------------------------------------------

Ep 47/50 | Reward 4063.26 | Loss 322256815.88 | Dist 1059.64 | Vehl 5

Vehicle 0: Route=[0, 41, 37, 1, 3, 4, 2, 5, 14, 6, 7, 8, 34, 28, 39, 43, 29, 9, 10, 32, 27, 35, 46, 24, 36, 12, 0], Distance=290.95, RemCap=38.0

Vehicle 1: Route=[0, 33, 44, 26, 47, 45, 15, 21, 40, 20, 0], Distance=247.99, RemCap=303.0

Vehicle 2: Route=[0, 23, 22, 13, 19, 50, 25, 17, 0], Distance=169.11, RemCap=330.0

Vehicle 3: Route=[0, 49, 38, 18, 30, 16, 0], Distance=181.47, RemCap=420.0

Vehicle 4: Route=[0, 31, 48, 42, 11, 0], Distance=170.11, RemCap=420.0

Total vehicle waiting time = 241.97

Total customer waiting time = 24959.13

--------------------------------------------------

Ep 48/50 | Reward 4213.27 | Loss 384822888.85 | Dist 1081.44 | Vehl 5

Vehicle 0: Route=[0, 49, 40, 46, 30, 15, 36, 9, 10, 31, 32, 25, 41, 6, 8, 7, 44, 5, 33, 42, 19, 4, 3, 1, 2, 50, 0], Distance=303.36, RemCap=9.0

Vehicle 1: Route=[0, 35, 24, 18, 29, 27, 28, 17, 37, 11, 0], Distance=235.42, RemCap=320.0

Vehicle 2: Route=[0, 13, 20, 21, 22, 38, 45, 34, 26, 0], Distance=210.01, RemCap=339.0

Vehicle 3: Route=[0, 43, 39, 47, 16, 14, 0], Distance=209.89, RemCap=383.0

Vehicle 4: Route=[0, 48, 12, 23, 0], Distance=122.76, RemCap=460.0

Total vehicle waiting time = 0.00

Total customer waiting time = 19793.41

--------------------------------------------------

Ep 49/50 | Reward 4920.81 | Loss 584317601.02 | Dist 969.74 | Vehl 5

Vehicle 0: Route=[0, 17, 5, 33, 2, 1, 3, 4, 19, 42, 14, 41, 39, 6, 7, 48, 8, 34, 45, 10, 9, 22, 36, 35, 46, 15, 21, 0], Distance=327.03, RemCap=1.0

Vehicle 1: Route=[0, 27, 38, 28, 26, 44, 50, 49, 11, 0], Distance=168.24, RemCap=340.0

Vehicle 2: Route=[0, 13, 40, 20, 25, 29, 23, 24, 30, 0], Distance=178.84, RemCap=328.0

Vehicle 3: Route=[0, 12, 16, 37, 47, 0], Distance=149.16, RemCap=414.0

Vehicle 4: Route=[0, 32, 43, 31, 18, 0], Distance=146.46, RemCap=428.0

Total vehicle waiting time = 248.98

Total customer waiting time = 17835.12

--------------------------------------------------

Ep 50/50 | Reward 4106.81 | Loss 361197819.61 | Dist 1038.10 | Vehl 5

Vehicle 0: Route=[0, 27, 21, 22, 9, 29, 10, 32, 34, 8, 48, 7, 47, 6, 44, 14, 5, 42, 4, 3, 1, 2, 41, 37, 13, 0], Distance=320.81, RemCap=3.0

Vehicle 1: Route=[0, 16, 11, 46, 18, 12, 23, 38, 28, 26, 17, 0], Distance=222.43, RemCap=338.0

Vehicle 2: Route=[0, 33, 40, 15, 30, 35, 24, 43, 31, 0], Distance=250.62, RemCap=362.0

Vehicle 3: Route=[0, 20, 19, 39, 45, 25, 0], Distance=170.80, RemCap=363.0

Vehicle 4: Route=[0, 36, 50, 49, 0], Distance=73.44, RemCap=445.0

Total vehicle waiting time = 14.76

Total customer waiting time = 20888.80

--------------------------------------------------

Saved results to F:/KLTN/code/output50\h50d10\_results.docx

=== Processing h50d20.csv ===

--- Training with max\_vehicles = 3 ---

Ep 1/50 | Reward 4162.44 | Loss 423416430.39 | Dist 856.82 | Vehl 3

Vehicle 0: Route=[0, 45, 37, 2, 1, 3, 4, 25, 5, 34, 27, 7, 47, 12, 28, 9, 30, 18, 15, 16, 17, 19, 29, 50, 24, 23, 20, 36, 0], Distance=303.08, RemCap=0.0

Vehicle 1: Route=[0, 22, 21, 33, 44, 38, 14, 42, 11, 43, 48, 8, 26, 39, 0], Distance=284.09, RemCap=233.0

Vehicle 2: Route=[0, 46, 6, 31, 40, 32, 13, 49, 10, 35, 41, 0], Distance=269.65, RemCap=307.0

Total vehicle waiting time = 0.00

Total customer waiting time = 23486.83

--------------------------------------------------

Ep 2/50 | Reward 4632.48 | Loss 556747868.38 | Dist 758.96 | Vehl 3

Vehicle 0: Route=[0, 37, 24, 20, 23, 1, 3, 4, 25, 26, 5, 34, 27, 8, 6, 13, 12, 28, 9, 10, 11, 30, 35, 18, 15, 17, 19, 29, 32, 0], Distance=295.04, RemCap=9.0

Vehicle 1: Route=[0, 33, 31, 40, 36, 2, 7, 46, 48, 49, 42, 16, 43, 0], Distance=251.72, RemCap=222.0

Vehicle 2: Route=[0, 21, 22, 39, 45, 47, 44, 50, 38, 14, 41, 0], Distance=212.19, RemCap=309.0

Total vehicle waiting time = 0.00

Total customer waiting time = 22412.64

--------------------------------------------------

Ep 3/50 | Reward 4708.51 | Loss 594187318.27 | Dist 790.74 | Vehl 3

Vehicle 0: Route=[0, 47, 13, 12, 28, 9, 10, 11, 30, 32, 29, 18, 15, 14, 41, 17, 19, 20, 23, 24, 22, 1, 3, 25, 26, 5, 7, 8, 34, 0], Distance=298.27, RemCap=2.0

Vehicle 1: Route=[0, 45, 46, 6, 37, 2, 4, 31, 21, 43, 49, 42, 38, 0], Distance=276.74, RemCap=256.0

Vehicle 2: Route=[0, 44, 35, 16, 50, 33, 40, 36, 39, 27, 48, 0], Distance=215.72, RemCap=282.0

Total vehicle waiting time = 130.68

Total customer waiting time = 20734.02

--------------------------------------------------

Ep 4/50 | Reward 4593.88 | Loss 570856662.76 | Dist 735.42 | Vehl 3

Vehicle 0: Route=[0, 21, 20, 1, 3, 4, 2, 5, 7, 27, 8, 13, 11, 10, 12, 28, 9, 42, 32, 29, 19, 17, 16, 18, 38, 15, 14, 41, 0], Distance=292.94, RemCap=6.0

Vehicle 1: Route=[0, 33, 31, 24, 23, 39, 26, 34, 6, 46, 47, 43, 35, 50, 44, 0], Distance=231.66, RemCap=249.0

Vehicle 2: Route=[0, 45, 37, 25, 22, 36, 40, 30, 49, 48, 0], Distance=210.82, RemCap=285.0

Total vehicle waiting time = 0.00

Total customer waiting time = 23244.65

--------------------------------------------------

Ep 5/50 | Reward 4362.53 | Loss 477329158.18 | Dist 774.12 | Vehl 3

Vehicle 0: Route=[0, 50, 32, 29, 19, 17, 16, 14, 15, 35, 42, 9, 28, 10, 13, 30, 43, 7, 27, 34, 2, 26, 4, 3, 1, 23, 24, 21, 33, 0], Distance=294.98, RemCap=1.0

Vehicle 1: Route=[0, 40, 20, 25, 5, 8, 46, 6, 45, 47, 44, 12, 18, 38, 41, 0], Distance=289.49, RemCap=228.0

Vehicle 2: Route=[0, 31, 36, 22, 39, 37, 48, 11, 49, 0], Distance=189.66, RemCap=311.0

Total vehicle waiting time = 0.00

Total customer waiting time = 23780.68

--------------------------------------------------

Ep 6/50 | Reward 4634.95 | Loss 566125382.70 | Dist 778.88 | Vehl 3

Vehicle 0: Route=[0, 45, 2, 25, 26, 5, 7, 27, 8, 49, 28, 9, 10, 13, 11, 30, 32, 29, 35, 18, 38, 15, 14, 16, 17, 19, 22, 23, 36, 0], Distance=290.44, RemCap=1.0

Vehicle 1: Route=[0, 37, 1, 3, 39, 34, 6, 48, 12, 42, 47, 50, 20, 31, 33, 0], Distance=258.04, RemCap=185.0

Vehicle 2: Route=[0, 44, 43, 46, 4, 24, 40, 21, 41, 0], Distance=230.41, RemCap=354.0

Total vehicle waiting time = 0.00

Total customer waiting time = 23558.94

--------------------------------------------------

Ep 7/50 | Reward 4560.74 | Loss 535369813.44 | Dist 770.33 | Vehl 3

Vehicle 0: Route=[0, 21, 20, 31, 24, 23, 1, 3, 4, 25, 26, 5, 6, 7, 27, 8, 13, 12, 28, 10, 11, 43, 44, 50, 29, 19, 17, 14, 15, 38, 0], Distance=289.88, RemCap=5.0

Vehicle 1: Route=[0, 37, 2, 34, 46, 47, 30, 49, 9, 42, 18, 32, 33, 36, 0], Distance=278.46, RemCap=222.0

Vehicle 2: Route=[0, 45, 48, 39, 22, 40, 41, 16, 35, 0], Distance=201.99, RemCap=313.0

Total vehicle waiting time = 0.00

Total customer waiting time = 23051.48

--------------------------------------------------

Ep 8/50 | Reward 4356.61 | Loss 506605322.41 | Dist 726.33 | Vehl 3

Vehicle 0: Route=[0, 21, 20, 36, 23, 24, 3, 4, 25, 39, 26, 27, 8, 7, 6, 12, 28, 10, 11, 30, 29, 19, 17, 16, 14, 15, 18, 38, 0], Distance=282.15, RemCap=1.0

Vehicle 1: Route=[0, 47, 44, 32, 42, 9, 13, 48, 46, 37, 34, 5, 1, 22, 31, 40, 33, 0], Distance=236.80, RemCap=182.0

Vehicle 2: Route=[0, 2, 45, 49, 43, 50, 41, 35, 0], Distance=207.38, RemCap=357.0

Total vehicle waiting time = 0.00

Total customer waiting time = 25084.58

--------------------------------------------------

Ep 9/50 | Reward 5169.00 | Loss 747318582.17 | Dist 713.13 | Vehl 3

Vehicle 0: Route=[0, 44, 11, 10, 9, 28, 12, 13, 6, 7, 8, 27, 5, 2, 26, 25, 4, 3, 1, 23, 24, 31, 20, 21, 19, 17, 16, 14, 15, 32, 0], Distance=291.82, RemCap=8.0

Vehicle 1: Route=[0, 48, 46, 34, 37, 45, 40, 41, 38, 18, 35, 42, 30, 43, 0], Distance=235.46, RemCap=217.0

Vehicle 2: Route=[0, 47, 49, 29, 50, 33, 36, 22, 39, 0], Distance=185.85, RemCap=315.0

Total vehicle waiting time = 0.00

Total customer waiting time = 21759.74

--------------------------------------------------

Ep 10/50 | Reward 4757.55 | Loss 630531510.71 | Dist 736.08 | Vehl 3

Vehicle 0: Route=[0, 17, 16, 14, 15, 18, 30, 10, 9, 28, 12, 13, 43, 44, 47, 7, 8, 27, 5, 2, 22, 24, 21, 23, 1, 3, 4, 25, 26, 39, 0], Distance=327.87, RemCap=9.0

Vehicle 1: Route=[0, 45, 6, 46, 34, 37, 33, 29, 19, 41, 38, 35, 0], Distance=216.04, RemCap=264.0

Vehicle 2: Route=[0, 48, 49, 11, 42, 32, 50, 31, 40, 20, 36, 0], Distance=192.17, RemCap=267.0

Total vehicle waiting time = 0.00

Total customer waiting time = 23510.72

--------------------------------------------------

Ep 11/50 | Reward 4664.84 | Loss 562135367.67 | Dist 786.02 | Vehl 3

Vehicle 0: Route=[0, 44, 11, 13, 10, 12, 28, 9, 30, 18, 38, 15, 14, 16, 17, 19, 21, 20, 23, 22, 1, 4, 2, 6, 7, 8, 27, 34, 0], Distance=297.19, RemCap=2.0

Vehicle 1: Route=[0, 41, 29, 32, 43, 49, 48, 5, 26, 39, 25, 24, 36, 40, 33, 31, 0], Distance=266.06, RemCap=180.0

Vehicle 2: Route=[0, 45, 37, 3, 46, 47, 50, 42, 35, 0], Distance=222.78, RemCap=358.0

Total vehicle waiting time = 0.00

Total customer waiting time = 23403.88

--------------------------------------------------

Ep 12/50 | Reward 4770.80 | Loss 571598713.15 | Dist 784.99 | Vehl 3

Vehicle 0: Route=[0, 6, 8, 34, 5, 26, 25, 4, 3, 1, 24, 23, 20, 21, 16, 14, 15, 18, 17, 19, 29, 30, 9, 12, 10, 13, 11, 32, 0], Distance=295.64, RemCap=8.0

Vehicle 1: Route=[0, 35, 42, 49, 43, 47, 48, 27, 7, 37, 2, 39, 22, 33, 36, 31, 0], Distance=265.27, RemCap=177.0

Vehicle 2: Route=[0, 40, 41, 38, 50, 44, 28, 46, 45, 0], Distance=224.08, RemCap=355.0

Total vehicle waiting time = 0.00

Total customer waiting time = 23191.49

--------------------------------------------------

Ep 13/50 | Reward 4654.19 | Loss 550654154.38 | Dist 809.79 | Vehl 3

Vehicle 0: Route=[0, 31, 21, 20, 23, 22, 1, 3, 4, 25, 26, 7, 27, 8, 6, 47, 43, 11, 13, 28, 9, 30, 44, 32, 29, 19, 17, 16, 14, 15, 18, 38, 0], Distance=310.34, RemCap=6.0

Vehicle 1: Route=[0, 40, 24, 45, 37, 5, 34, 46, 10, 42, 35, 0], Distance=249.01, RemCap=263.0

Vehicle 2: Route=[0, 48, 49, 12, 41, 50, 33, 36, 2, 39, 0], Distance=250.44, RemCap=271.0

Total vehicle waiting time = 0.00

Total customer waiting time = 24306.30

--------------------------------------------------

Ep 14/50 | Reward 4765.08 | Loss 576543620.91 | Dist 735.37 | Vehl 3

Vehicle 0: Route=[0, 13, 49, 12, 9, 10, 11, 30, 29, 19, 18, 15, 16, 17, 21, 22, 24, 23, 1, 4, 25, 26, 2, 5, 6, 7, 8, 27, 34, 0], Distance=298.87, RemCap=1.0

Vehicle 1: Route=[0, 45, 37, 39, 3, 36, 20, 40, 50, 32, 28, 38, 41, 14, 35, 0], Distance=255.46, RemCap=212.0

Vehicle 2: Route=[0, 46, 48, 47, 43, 42, 44, 33, 31, 0], Distance=181.03, RemCap=327.0

Total vehicle waiting time = 0.00

Total customer waiting time = 23040.65

--------------------------------------------------

Ep 15/50 | Reward 4485.33 | Loss 492817022.29 | Dist 812.24 | Vehl 3

Vehicle 0: Route=[0, 43, 11, 10, 12, 9, 30, 29, 18, 15, 14, 16, 17, 19, 21, 20, 24, 22, 1, 3, 4, 26, 5, 6, 2, 39, 0], Distance=288.29, RemCap=4.0

Vehicle 1: Route=[0, 31, 23, 25, 27, 46, 37, 45, 47, 13, 49, 28, 42, 44, 50, 35, 0], Distance=295.68, RemCap=249.0

Vehicle 2: Route=[0, 48, 8, 7, 34, 33, 36, 40, 32, 38, 41, 0], Distance=228.27, RemCap=287.0

Total vehicle waiting time = 0.00

Total customer waiting time = 23821.89

--------------------------------------------------

Ep 16/50 | Reward 4792.80 | Loss 581063879.14 | Dist 726.15 | Vehl 3

Vehicle 0: Route=[0, 40, 21, 22, 24, 23, 3, 4, 25, 26, 2, 5, 27, 8, 7, 6, 13, 49, 12, 28, 9, 10, 11, 30, 15, 14, 17, 19, 32, 50, 0], Distance=288.69, RemCap=9.0

Vehicle 1: Route=[0, 45, 37, 39, 34, 46, 48, 44, 35, 18, 16, 33, 20, 36, 31, 0], Distance=244.10, RemCap=175.0

Vehicle 2: Route=[0, 1, 47, 43, 29, 41, 38, 42, 0], Distance=193.36, RemCap=356.0

Total vehicle waiting time = 0.00

Total customer waiting time = 22811.76

--------------------------------------------------

Ep 17/50 | Reward 4521.75 | Loss 513769361.64 | Dist 797.58 | Vehl 3

Vehicle 0: Route=[0, 21, 20, 36, 23, 24, 22, 1, 3, 4, 25, 26, 2, 5, 7, 8, 6, 47, 13, 12, 28, 9, 10, 11, 30, 38, 15, 17, 29, 32, 0], Distance=294.24, RemCap=2.0

Vehicle 1: Route=[0, 40, 45, 37, 34, 27, 46, 49, 42, 44, 50, 19, 16, 14, 41, 0], Distance=289.48, RemCap=185.0

Vehicle 2: Route=[0, 18, 35, 43, 48, 39, 33, 31, 0], Distance=213.86, RemCap=353.0

Total vehicle waiting time = 0.00

Total customer waiting time = 24049.90

--------------------------------------------------

Ep 18/50 | Reward 4321.19 | Loss 443048812.44 | Dist 802.23 | Vehl 3

Vehicle 0: Route=[0, 13, 12, 28, 30, 50, 29, 18, 15, 14, 17, 21, 20, 40, 24, 23, 1, 3, 4, 25, 26, 2, 5, 34, 27, 8, 6, 45, 0], Distance=285.34, RemCap=5.0

Vehicle 1: Route=[0, 19, 16, 41, 35, 42, 9, 11, 44, 47, 48, 46, 39, 22, 33, 31, 0], Distance=269.54, RemCap=194.0

Vehicle 2: Route=[0, 36, 37, 7, 43, 32, 38, 10, 49, 0], Distance=247.34, RemCap=341.0

Total vehicle waiting time = 141.74

Total customer waiting time = 24828.78

--------------------------------------------------

Ep 19/50 | Reward 4263.68 | Loss 431569356.10 | Dist 813.43 | Vehl 3

Vehicle 0: Route=[0, 40, 21, 20, 23, 24, 22, 4, 2, 5, 27, 6, 13, 12, 10, 11, 30, 42, 18, 15, 14, 16, 17, 19, 29, 44, 0], Distance=284.98, RemCap=1.0

Vehicle 1: Route=[0, 36, 3, 39, 26, 34, 37, 7, 8, 48, 47, 49, 28, 9, 41, 32, 0], Distance=292.46, RemCap=192.0

Vehicle 2: Route=[0, 50, 38, 35, 43, 45, 46, 25, 1, 33, 31, 0], Distance=235.99, RemCap=347.0

Total vehicle waiting time = 0.00

Total customer waiting time = 24745.52

--------------------------------------------------

Ep 20/50 | Reward 4327.14 | Loss 456572797.04 | Dist 759.26 | Vehl 3

Vehicle 0: Route=[0, 40, 21, 20, 23, 24, 22, 1, 26, 2, 5, 27, 8, 7, 6, 12, 28, 9, 11, 30, 42, 29, 19, 17, 14, 15, 18, 38, 0], Distance=299.76, RemCap=0.0

Vehicle 1: Route=[0, 47, 43, 10, 35, 41, 33, 31, 36, 3, 4, 25, 39, 45, 48, 46, 0], Distance=260.17, RemCap=170.0

Vehicle 2: Route=[0, 37, 34, 49, 13, 44, 50, 16, 32, 0], Distance=199.33, RemCap=370.0

Total vehicle waiting time = 0.00

Total customer waiting time = 25184.63

--------------------------------------------------

Ep 21/50 | Reward 4664.46 | Loss 532491980.35 | Dist 790.45 | Vehl 3

Vehicle 0: Route=[0, 21, 20, 24, 1, 3, 4, 25, 26, 2, 5, 6, 7, 8, 13, 11, 10, 28, 30, 18, 15, 14, 41, 16, 17, 19, 29, 44, 0], Distance=281.83, RemCap=2.0

Vehicle 1: Route=[0, 37, 22, 36, 39, 27, 46, 48, 49, 12, 43, 50, 32, 35, 0], Distance=275.51, RemCap=252.0

Vehicle 2: Route=[0, 45, 34, 47, 9, 42, 38, 33, 23, 40, 31, 0], Distance=233.11, RemCap=286.0

Total vehicle waiting time = 0.00

Total customer waiting time = 23629.52

--------------------------------------------------

Ep 22/50 | Reward 4157.81 | Loss 390102803.22 | Dist 727.39 | Vehl 3

Vehicle 0: Route=[0, 29, 16, 41, 15, 18, 30, 11, 10, 9, 12, 49, 13, 8, 27, 7, 34, 5, 26, 4, 3, 25, 2, 22, 24, 36, 20, 21, 31, 0], Distance=288.38, RemCap=1.0

Vehicle 1: Route=[0, 47, 28, 42, 38, 17, 50, 33, 23, 1, 39, 37, 6, 46, 0], Distance=248.99, RemCap=245.0

Vehicle 2: Route=[0, 40, 19, 14, 35, 32, 44, 43, 48, 45, 0], Distance=190.02, RemCap=294.0

Total vehicle waiting time = 0.00

Total customer waiting time = 26026.91

--------------------------------------------------

Ep 23/50 | Reward 4819.76 | Loss 606706793.72 | Dist 764.64 | Vehl 3

Vehicle 0: Route=[0, 20, 23, 24, 22, 1, 3, 4, 2, 5, 8, 49, 12, 28, 9, 10, 13, 11, 30, 29, 19, 17, 16, 14, 15, 18, 38, 0], Distance=287.35, RemCap=1.0

Vehicle 1: Route=[0, 45, 37, 39, 26, 6, 7, 48, 43, 32, 41, 33, 40, 31, 0], Distance=229.93, RemCap=234.0

Vehicle 2: Route=[0, 21, 36, 25, 34, 27, 46, 47, 44, 50, 35, 42, 0], Distance=247.35, RemCap=305.0

Total vehicle waiting time = 0.00

Total customer waiting time = 22036.63

--------------------------------------------------

Ep 24/50 | Reward 4538.90 | Loss 510871230.93 | Dist 790.06 | Vehl 3

Vehicle 0: Route=[0, 47, 13, 49, 12, 9, 11, 30, 29, 18, 14, 16, 17, 19, 21, 24, 23, 3, 4, 25, 26, 2, 5, 6, 7, 46, 8, 27, 34, 0], Distance=300.89, RemCap=5.0

Vehicle 1: Route=[0, 50, 41, 15, 35, 10, 43, 44, 37, 39, 22, 33, 31, 0], Distance=236.41, RemCap=276.0

Vehicle 2: Route=[0, 45, 32, 38, 42, 28, 48, 1, 36, 20, 40, 0], Distance=252.75, RemCap=259.0

Total vehicle waiting time = 0.00

Total customer waiting time = 24408.80

--------------------------------------------------

Ep 25/50 | Reward 5426.29 | Loss 817046829.09 | Dist 748.26 | Vehl 3

Vehicle 0: Route=[0, 6, 8, 27, 7, 5, 26, 25, 4, 3, 1, 2, 24, 23, 21, 17, 16, 14, 15, 18, 19, 29, 30, 10, 9, 28, 12, 13, 11, 44, 0], Distance=288.43, RemCap=2.0

Vehicle 1: Route=[0, 22, 36, 20, 40, 33, 50, 38, 32, 48, 46, 34, 37, 45, 0], Distance=226.91, RemCap=212.0

Vehicle 2: Route=[0, 39, 31, 47, 43, 49, 42, 35, 41, 0], Distance=232.92, RemCap=326.0

Total vehicle waiting time = 0.00

Total customer waiting time = 19812.81

--------------------------------------------------

Ep 26/50 | Reward 4873.53 | Loss 608065538.49 | Dist 738.03 | Vehl 3

Vehicle 0: Route=[0, 29, 19, 17, 14, 18, 30, 9, 28, 12, 10, 11, 13, 8, 7, 6, 5, 2, 4, 3, 1, 23, 22, 21, 20, 36, 0], Distance=283.77, RemCap=1.0

Vehicle 1: Route=[0, 50, 38, 44, 45, 48, 46, 27, 34, 26, 25, 24, 33, 40, 31, 0], Distance=235.93, RemCap=245.0

Vehicle 2: Route=[0, 39, 37, 47, 43, 49, 42, 32, 16, 41, 15, 35, 0], Distance=218.33, RemCap=294.0

Total vehicle waiting time = 0.00

Total customer waiting time = 22030.49

--------------------------------------------------

Ep 27/50 | Reward 4366.18 | Loss 433501529.36 | Dist 791.69 | Vehl 3

Vehicle 0: Route=[0, 44, 43, 13, 10, 12, 28, 9, 11, 30, 18, 38, 14, 16, 17, 29, 33, 21, 20, 24, 3, 4, 26, 2, 5, 27, 8, 7, 37, 0], Distance=294.89, RemCap=6.0

Vehicle 1: Route=[0, 31, 36, 23, 34, 6, 48, 45, 47, 42, 19, 15, 41, 0], Distance=255.66, RemCap=216.0

Vehicle 2: Route=[0, 39, 25, 1, 22, 40, 50, 32, 35, 49, 46, 0], Distance=241.14, RemCap=318.0

Total vehicle waiting time = 0.00

Total customer waiting time = 25092.00

--------------------------------------------------

Ep 28/50 | Reward 5230.56 | Loss 728921171.03 | Dist 748.44 | Vehl 3

Vehicle 0: Route=[0, 6, 7, 8, 27, 5, 2, 26, 25, 4, 3, 1, 23, 24, 22, 21, 19, 17, 16, 14, 15, 18, 29, 30, 9, 28, 12, 10, 13, 44, 0], Distance=279.45, RemCap=2.0

Vehicle 1: Route=[0, 39, 34, 48, 45, 47, 11, 35, 38, 41, 40, 31, 0], Distance=250.83, RemCap=257.0

Vehicle 2: Route=[0, 36, 20, 33, 50, 32, 43, 42, 49, 46, 37, 0], Distance=218.16, RemCap=281.0

Total vehicle waiting time = 0.00

Total customer waiting time = 22012.79

--------------------------------------------------

Ep 29/50 | Reward 5187.13 | Loss 735213882.14 | Dist 807.08 | Vehl 3

Vehicle 0: Route=[0, 22, 23, 40, 21, 19, 17, 16, 14, 15, 18, 29, 30, 9, 28, 12, 11, 6, 8, 27, 7, 5, 26, 4, 1, 2, 37, 47, 44, 0], Distance=321.67, RemCap=7.0

Vehicle 1: Route=[0, 50, 43, 10, 13, 46, 48, 45, 39, 3, 33, 20, 36, 31, 0], Distance=234.39, RemCap=187.0

Vehicle 2: Route=[0, 24, 25, 34, 49, 42, 32, 35, 38, 41, 0], Distance=251.02, RemCap=346.0

Total vehicle waiting time = 0.00

Total customer waiting time = 21405.19

--------------------------------------------------

Ep 30/50 | Reward 4938.59 | Loss 637781710.94 | Dist 727.69 | Vehl 3

Vehicle 0: Route=[0, 50, 29, 17, 15, 18, 30, 9, 28, 12, 49, 10, 11, 13, 8, 27, 7, 6, 5, 2, 26, 25, 4, 3, 1, 23, 20, 21, 37, 0], Distance=297.64, RemCap=3.0

Vehicle 1: Route=[0, 45, 47, 42, 35, 38, 16, 19, 44, 22, 24, 40, 31, 0], Distance=192.21, RemCap=287.0

Vehicle 2: Route=[0, 33, 36, 39, 34, 46, 48, 43, 32, 14, 41, 0], Distance=237.84, RemCap=250.0

Total vehicle waiting time = 0.00

Total customer waiting time = 22340.76

--------------------------------------------------

Ep 31/50 | Reward 4682.93 | Loss 560160597.15 | Dist 779.06 | Vehl 3

Vehicle 0: Route=[0, 50, 19, 17, 16, 14, 15, 18, 44, 9, 28, 12, 49, 10, 13, 6, 7, 27, 5, 26, 25, 3, 2, 24, 23, 36, 20, 21, 31, 0], Distance=290.67, RemCap=2.0

Vehicle 1: Route=[0, 33, 40, 22, 1, 34, 37, 8, 48, 43, 11, 30, 35, 41, 32, 0], Distance=274.98, RemCap=232.0

Vehicle 2: Route=[0, 47, 42, 38, 29, 4, 39, 46, 45, 0], Distance=213.41, RemCap=306.0

Total vehicle waiting time = 0.00

Total customer waiting time = 23320.07

--------------------------------------------------

Ep 32/50 | Reward 4616.95 | Loss 514778749.91 | Dist 756.04 | Vehl 3

Vehicle 0: Route=[0, 6, 8, 7, 5, 26, 39, 25, 4, 3, 1, 2, 24, 20, 21, 32, 11, 13, 10, 30, 19, 17, 16, 41, 14, 15, 18, 35, 0], Distance=311.38, RemCap=8.0

Vehicle 1: Route=[0, 46, 48, 47, 43, 28, 9, 42, 38, 29, 33, 23, 36, 40, 31, 0], Distance=235.37, RemCap=196.0

Vehicle 2: Route=[0, 49, 12, 44, 50, 22, 34, 27, 37, 45, 0], Distance=209.30, RemCap=336.0

Total vehicle waiting time = 0.00

Total customer waiting time = 23005.32

--------------------------------------------------

Ep 33/50 | Reward 4245.01 | Loss 414294198.53 | Dist 752.22 | Vehl 3

Vehicle 0: Route=[0, 11, 13, 49, 12, 9, 10, 30, 18, 14, 16, 19, 29, 50, 21, 22, 24, 23, 1, 3, 4, 25, 5, 2, 37, 6, 7, 27, 46, 0], Distance=292.43, RemCap=3.0

Vehicle 1: Route=[0, 32, 38, 17, 41, 15, 35, 44, 43, 48, 8, 26, 33, 20, 31, 0], Distance=257.03, RemCap=251.0

Vehicle 2: Route=[0, 40, 36, 39, 34, 45, 47, 28, 42, 0], Distance=202.76, RemCap=286.0

Total vehicle waiting time = 0.00

Total customer waiting time = 26146.53

--------------------------------------------------

Ep 34/50 | Reward 4862.18 | Loss 613876029.09 | Dist 768.43 | Vehl 3

Vehicle 0: Route=[0, 21, 20, 24, 3, 4, 25, 26, 5, 7, 8, 48, 6, 47, 44, 13, 10, 12, 28, 9, 11, 30, 18, 15, 16, 17, 19, 29, 50, 0], Distance=297.33, RemCap=7.0

Vehicle 1: Route=[0, 37, 34, 27, 46, 49, 43, 38, 14, 33, 23, 40, 31, 0], Distance=256.96, RemCap=254.0

Vehicle 2: Route=[0, 45, 2, 39, 1, 22, 36, 32, 42, 35, 41, 0], Distance=214.15, RemCap=279.0

Total vehicle waiting time = 0.00

Total customer waiting time = 21912.35

--------------------------------------------------

Ep 35/50 | Reward 5129.41 | Loss 699010112.40 | Dist 788.03 | Vehl 3

Vehicle 0: Route=[0, 24, 20, 23, 1, 3, 4, 25, 26, 2, 27, 8, 7, 6, 13, 12, 28, 9, 10, 11, 30, 29, 19, 17, 16, 14, 15, 18, 38, 0], Distance=286.84, RemCap=1.0

Vehicle 1: Route=[0, 45, 37, 39, 5, 48, 49, 42, 35, 50, 44, 22, 21, 40, 31, 0], Distance=267.28, RemCap=195.0

Vehicle 2: Route=[0, 33, 36, 34, 46, 47, 43, 32, 41, 0], Distance=233.92, RemCap=344.0

Total vehicle waiting time = 0.00

Total customer waiting time = 21490.82

--------------------------------------------------

Ep 36/50 | Reward 4189.73 | Loss 407887622.90 | Dist 731.69 | Vehl 3

Vehicle 0: Route=[0, 32, 29, 19, 17, 16, 14, 15, 38, 18, 30, 9, 12, 49, 11, 13, 8, 27, 7, 6, 5, 39, 3, 1, 22, 23, 20, 21, 31, 0], Distance=279.26, RemCap=8.0

Vehicle 1: Route=[0, 10, 28, 42, 44, 50, 33, 40, 24, 4, 25, 46, 48, 45, 0], Distance=231.09, RemCap=214.0

Vehicle 2: Route=[0, 43, 47, 37, 34, 26, 2, 36, 41, 35, 0], Distance=221.34, RemCap=318.0

Total vehicle waiting time = 0.00

Total customer waiting time = 25516.77

--------------------------------------------------

Ep 37/50 | Reward 4778.61 | Loss 567330498.67 | Dist 770.70 | Vehl 3

Vehicle 0: Route=[0, 20, 23, 24, 22, 1, 3, 4, 26, 2, 27, 8, 46, 7, 6, 13, 12, 28, 9, 10, 11, 43, 30, 18, 15, 14, 16, 17, 19, 32, 0], Distance=297.24, RemCap=1.0

Vehicle 1: Route=[0, 44, 29, 41, 38, 42, 49, 37, 5, 25, 33, 21, 36, 31, 0], Distance=255.07, RemCap=241.0

Vehicle 2: Route=[0, 47, 45, 48, 34, 39, 40, 50, 35, 0], Distance=218.39, RemCap=298.0

Total vehicle waiting time = 0.00

Total customer waiting time = 23221.51

--------------------------------------------------

Ep 38/50 | Reward 4431.78 | Loss 451067246.35 | Dist 795.57 | Vehl 3

Vehicle 0: Route=[0, 44, 32, 29, 19, 17, 14, 15, 18, 30, 9, 12, 49, 10, 11, 13, 8, 27, 7, 6, 45, 2, 26, 25, 3, 23, 24, 21, 33, 0], Distance=292.76, RemCap=2.0

Vehicle 1: Route=[0, 50, 16, 38, 28, 47, 37, 34, 39, 1, 20, 40, 31, 0], Distance=249.15, RemCap=256.0

Vehicle 2: Route=[0, 22, 36, 4, 5, 46, 48, 43, 42, 41, 35, 0], Distance=253.66, RemCap=282.0

Total vehicle waiting time = 0.00

Total customer waiting time = 24379.24

--------------------------------------------------

Ep 39/50 | Reward 4478.45 | Loss 482119350.96 | Dist 773.56 | Vehl 3

Vehicle 0: Route=[0, 47, 13, 11, 10, 12, 28, 9, 42, 30, 18, 15, 14, 19, 50, 21, 22, 24, 23, 1, 3, 4, 26, 6, 48, 8, 27, 7, 34, 0], Distance=308.53, RemCap=5.0

Vehicle 1: Route=[0, 39, 25, 5, 37, 49, 43, 44, 29, 35, 38, 17, 40, 31, 0], Distance=244.17, RemCap=235.0

Vehicle 2: Route=[0, 45, 46, 2, 36, 20, 33, 32, 16, 41, 0], Distance=220.86, RemCap=300.0

Total vehicle waiting time = 0.00

Total customer waiting time = 23830.54

--------------------------------------------------

Ep 40/50 | Reward 4386.52 | Loss 461546878.23 | Dist 736.09 | Vehl 3

Vehicle 0: Route=[0, 50, 29, 19, 17, 16, 14, 38, 18, 11, 10, 28, 12, 49, 13, 8, 27, 6, 5, 2, 26, 25, 4, 3, 1, 24, 20, 21, 31, 0], Distance=281.14, RemCap=1.0

Vehicle 1: Route=[0, 32, 30, 43, 47, 45, 37, 34, 22, 23, 36, 33, 0], Distance=182.23, RemCap=289.0

Vehicle 2: Route=[0, 40, 39, 7, 46, 48, 44, 9, 42, 41, 15, 35, 0], Distance=272.72, RemCap=250.0

Total vehicle waiting time = 0.00

Total customer waiting time = 25075.29

--------------------------------------------------

Ep 41/50 | Reward 4783.41 | Loss 580828124.74 | Dist 787.22 | Vehl 3

Vehicle 0: Route=[0, 44, 29, 19, 17, 16, 15, 18, 30, 11, 10, 9, 28, 12, 13, 8, 7, 6, 2, 26, 25, 4, 3, 1, 24, 36, 20, 21, 31, 0], Distance=276.47, RemCap=2.0

Vehicle 1: Route=[0, 47, 43, 46, 5, 23, 33, 50, 32, 38, 14, 42, 49, 0], Distance=277.41, RemCap=274.0

Vehicle 2: Route=[0, 48, 27, 34, 39, 37, 45, 22, 40, 41, 35, 0], Distance=233.34, RemCap=264.0

Total vehicle waiting time = 0.00

Total customer waiting time = 23373.84

--------------------------------------------------

Ep 42/50 | Reward 4067.55 | Loss 371640817.13 | Dist 794.43 | Vehl 3

Vehicle 0: Route=[0, 50, 29, 19, 16, 14, 15, 9, 28, 10, 44, 45, 6, 8, 27, 7, 5, 26, 4, 3, 1, 24, 23, 36, 20, 21, 31, 0], Distance=295.13, RemCap=5.0

Vehicle 1: Route=[0, 47, 43, 11, 12, 13, 48, 39, 40, 33, 32, 17, 41, 38, 18, 35, 0], Distance=269.24, RemCap=234.0

Vehicle 2: Route=[0, 22, 25, 2, 37, 34, 46, 30, 42, 49, 0], Distance=230.07, RemCap=301.0

Total vehicle waiting time = 0.00

Total customer waiting time = 26392.26

--------------------------------------------------

Ep 43/50 | Reward 4489.17 | Loss 480020907.39 | Dist 825.56 | Vehl 3

Vehicle 0: Route=[0, 33, 21, 22, 24, 23, 1, 3, 25, 26, 5, 7, 8, 46, 6, 45, 47, 43, 13, 12, 9, 10, 11, 30, 42, 29, 17, 16, 15, 18, 35, 0], Distance=312.91, RemCap=0.0

Vehicle 1: Route=[0, 37, 2, 39, 4, 27, 49, 32, 38, 14, 40, 36, 0], Distance=266.31, RemCap=248.0

Vehicle 2: Route=[0, 34, 48, 28, 44, 50, 19, 41, 20, 31, 0], Distance=246.34, RemCap=292.0

Total vehicle waiting time = 0.00

Total customer waiting time = 23865.97

--------------------------------------------------

Ep 44/50 | Reward 4907.40 | Loss 586026048.94 | Dist 729.02 | Vehl 3

Vehicle 0: Route=[0, 50, 17, 16, 14, 15, 18, 29, 32, 30, 9, 28, 12, 11, 13, 8, 27, 7, 6, 5, 26, 25, 4, 3, 39, 2, 23, 20, 21, 24, 37, 0], Distance=309.74, RemCap=0.0

Vehicle 1: Route=[0, 48, 46, 49, 10, 42, 36, 40, 19, 41, 38, 35, 0], Distance=265.90, RemCap=209.0

Vehicle 2: Route=[0, 44, 43, 47, 45, 34, 1, 22, 33, 31, 0], Distance=153.38, RemCap=331.0

Total vehicle waiting time = 0.00

Total customer waiting time = 22395.40

--------------------------------------------------

Ep 45/50 | Reward 4066.17 | Loss 328838657.61 | Dist 850.66 | Vehl 3

Vehicle 0: Route=[0, 13, 12, 9, 10, 30, 42, 18, 14, 16, 19, 29, 21, 20, 23, 24, 1, 3, 4, 26, 7, 8, 6, 2, 39, 0], Distance=315.36, RemCap=0.0

Vehicle 1: Route=[0, 45, 5, 34, 48, 47, 43, 28, 15, 41, 38, 50, 22, 40, 31, 0], Distance=270.30, RemCap=241.0

Vehicle 2: Route=[0, 44, 11, 49, 32, 35, 17, 33, 36, 25, 37, 27, 46, 0], Distance=264.99, RemCap=299.0

Total vehicle waiting time = 102.79

Total customer waiting time = 26697.95

--------------------------------------------------

Ep 46/50 | Reward 4401.44 | Loss 443247919.21 | Dist 774.38 | Vehl 3

Vehicle 0: Route=[0, 24, 23, 20, 21, 33, 16, 14, 15, 18, 19, 29, 9, 28, 12, 10, 11, 13, 8, 7, 6, 5, 25, 4, 1, 2, 45, 0], Distance=293.89, RemCap=3.0

Vehicle 1: Route=[0, 40, 31, 22, 39, 26, 34, 27, 46, 48, 44, 30, 42, 50, 35, 38, 0], Distance=262.65, RemCap=202.0

Vehicle 2: Route=[0, 37, 3, 36, 41, 17, 32, 49, 43, 47, 0], Distance=217.85, RemCap=335.0

Total vehicle waiting time = 0.00

Total customer waiting time = 25667.22

--------------------------------------------------

Ep 47/50 | Reward 4557.13 | Loss 497740542.34 | Dist 749.15 | Vehl 3

Vehicle 0: Route=[0, 45, 50, 32, 29, 19, 17, 16, 14, 15, 18, 30, 10, 9, 28, 12, 13, 8, 6, 5, 2, 26, 25, 4, 3, 1, 23, 22, 33, 0], Distance=284.96, RemCap=2.0

Vehicle 1: Route=[0, 37, 7, 46, 34, 39, 24, 21, 40, 44, 43, 49, 42, 0], Distance=239.80, RemCap=234.0

Vehicle 2: Route=[0, 27, 48, 47, 11, 35, 38, 41, 31, 20, 36, 0], Distance=224.39, RemCap=304.0

Total vehicle waiting time = 0.00

Total customer waiting time = 23111.35

--------------------------------------------------

Ep 48/50 | Reward 4483.93 | Loss 477056319.59 | Dist 791.13 | Vehl 3

Vehicle 0: Route=[0, 29, 19, 17, 16, 15, 38, 18, 35, 30, 11, 10, 12, 13, 8, 7, 6, 5, 2, 4, 3, 1, 22, 24, 23, 20, 21, 40, 31, 0], Distance=277.23, RemCap=1.0

Vehicle 1: Route=[0, 36, 25, 26, 34, 46, 48, 28, 9, 42, 14, 32, 44, 47, 0], Distance=258.16, RemCap=231.0

Vehicle 2: Route=[0, 45, 37, 27, 49, 43, 50, 41, 33, 39, 0], Distance=255.74, RemCap=308.0

Total vehicle waiting time = 0.00

Total customer waiting time = 24543.73

--------------------------------------------------

Ep 49/50 | Reward 4460.90 | Loss 478261998.48 | Dist 770.52 | Vehl 3

Vehicle 0: Route=[0, 11, 12, 9, 30, 35, 15, 16, 17, 19, 29, 21, 20, 23, 22, 1, 3, 4, 26, 39, 2, 5, 27, 8, 7, 6, 48, 0], Distance=281.36, RemCap=1.0

Vehicle 1: Route=[0, 37, 34, 46, 13, 49, 28, 44, 14, 41, 33, 24, 36, 31, 0], Distance=262.42, RemCap=242.0

Vehicle 2: Route=[0, 40, 25, 45, 47, 43, 10, 42, 38, 18, 50, 32, 0], Distance=226.74, RemCap=297.0

Total vehicle waiting time = 0.00

Total customer waiting time = 23450.32

--------------------------------------------------

Ep 50/50 | Reward 4771.41 | Loss 545256185.40 | Dist 785.62 | Vehl 3

Vehicle 0: Route=[0, 21, 22, 24, 23, 1, 3, 4, 25, 26, 2, 5, 6, 7, 27, 8, 13, 12, 9, 10, 11, 30, 15, 14, 41, 16, 17, 19, 29, 50, 0], Distance=284.57, RemCap=2.0

Vehicle 1: Route=[0, 44, 43, 47, 37, 48, 49, 28, 35, 18, 33, 36, 31, 0], Distance=243.30, RemCap=269.0

Vehicle 2: Route=[0, 32, 42, 38, 20, 40, 45, 39, 34, 46, 0], Distance=257.75, RemCap=269.0

Total vehicle waiting time = 0.00

Total customer waiting time = 22745.48

--------------------------------------------------

--- Training with max\_vehicles = 4 ---

Ep 1/50 | Reward 3804.37 | Loss 344038560.50 | Dist 858.70 | Vehl 4

Vehicle 0: Route=[0, 11, 10, 12, 30, 35, 18, 15, 14, 16, 19, 21, 20, 31, 24, 23, 1, 3, 4, 26, 2, 5, 34, 6, 7, 8, 48, 0], Distance=276.61, RemCap=1.0

Vehicle 1: Route=[0, 13, 9, 44, 32, 50, 33, 22, 39, 27, 46, 37, 0], Distance=220.36, RemCap=320.0

Vehicle 2: Route=[0, 45, 25, 36, 41, 42, 28, 49, 43, 0], Distance=211.74, RemCap=325.0

Vehicle 3: Route=[0, 47, 40, 29, 17, 38, 0], Distance=149.99, RemCap=394.0

Total vehicle waiting time = 0.00

Total customer waiting time = 23640.71

--------------------------------------------------

Ep 2/50 | Reward 4338.91 | Loss 492795618.16 | Dist 964.81 | Vehl 4

Vehicle 0: Route=[0, 13, 12, 28, 9, 10, 11, 32, 50, 17, 16, 15, 14, 41, 33, 21, 20, 23, 24, 4, 25, 26, 2, 5, 34, 27, 6, 48, 0], Distance=293.00, RemCap=8.0

Vehicle 1: Route=[0, 8, 47, 44, 43, 49, 30, 42, 18, 31, 3, 39, 0], Distance=271.45, RemCap=278.0

Vehicle 2: Route=[0, 46, 37, 1, 40, 29, 19, 35, 0], Distance=210.54, RemCap=341.0

Vehicle 3: Route=[0, 45, 7, 38, 22, 36, 0], Distance=189.82, RemCap=413.0

Total vehicle waiting time = 0.00

Total customer waiting time = 20433.94

--------------------------------------------------

Ep 3/50 | Reward 4563.02 | Loss 558962457.60 | Dist 925.40 | Vehl 4

Vehicle 0: Route=[0, 33, 40, 21, 22, 23, 1, 4, 26, 2, 5, 7, 27, 8, 6, 13, 12, 28, 10, 30, 32, 29, 18, 15, 14, 16, 17, 50, 43, 47, 0], Distance=301.46, RemCap=6.0

Vehicle 1: Route=[0, 44, 35, 38, 19, 20, 24, 3, 37, 48, 45, 0], Distance=208.20, RemCap=285.0

Vehicle 2: Route=[0, 39, 25, 36, 42, 11, 49, 0], Distance=187.69, RemCap=349.0

Vehicle 3: Route=[0, 34, 46, 9, 41, 31, 0], Distance=228.05, RemCap=400.0

Total vehicle waiting time = 0.00

Total customer waiting time = 20914.92

--------------------------------------------------

Ep 4/50 | Reward 4703.74 | Loss 591632922.94 | Dist 868.21 | Vehl 4

Vehicle 0: Route=[0, 21, 20, 23, 1, 3, 2, 5, 6, 7, 8, 13, 49, 12, 28, 9, 10, 30, 29, 19, 18, 15, 14, 17, 16, 41, 0], Distance=291.19, RemCap=1.0

Vehicle 1: Route=[0, 40, 24, 25, 39, 26, 45, 47, 44, 43, 11, 35, 0], Distance=216.33, RemCap=301.0

Vehicle 2: Route=[0, 37, 27, 46, 50, 31, 36, 22, 33, 0], Distance=164.49, RemCap=372.0

Vehicle 3: Route=[0, 4, 34, 48, 42, 38, 32, 0], Distance=196.20, RemCap=366.0

Total vehicle waiting time = 0.00

Total customer waiting time = 19933.14

--------------------------------------------------

Ep 5/50 | Reward 5019.81 | Loss 716266560.51 | Dist 929.82 | Vehl 4

Vehicle 0: Route=[0, 22, 24, 23, 20, 21, 17, 16, 14, 15, 18, 19, 29, 30, 11, 9, 28, 12, 13, 6, 7, 27, 5, 2, 1, 3, 4, 25, 39, 0], Distance=287.45, RemCap=1.0

Vehicle 1: Route=[0, 50, 42, 10, 44, 45, 46, 8, 34, 26, 31, 36, 0], Distance=243.10, RemCap=254.0

Vehicle 2: Route=[0, 40, 38, 32, 47, 48, 43, 0], Distance=194.38, RemCap=384.0

Vehicle 3: Route=[0, 33, 37, 49, 35, 41, 0], Distance=204.89, RemCap=401.0

Total vehicle waiting time = 0.00

Total customer waiting time = 19807.91

--------------------------------------------------

Ep 6/50 | Reward 4947.68 | Loss 657141263.55 | Dist 885.44 | Vehl 4

Vehicle 0: Route=[0, 20, 23, 1, 3, 4, 25, 26, 2, 5, 6, 7, 27, 8, 12, 28, 9, 10, 11, 30, 18, 15, 14, 16, 17, 19, 29, 32, 0], Distance=278.04, RemCap=8.0

Vehicle 1: Route=[0, 47, 13, 49, 38, 41, 21, 36, 22, 34, 45, 0], Distance=223.13, RemCap=307.0

Vehicle 2: Route=[0, 33, 31, 24, 39, 46, 43, 42, 50, 0], Distance=203.03, RemCap=343.0

Vehicle 3: Route=[0, 37, 48, 44, 35, 40, 0], Distance=181.24, RemCap=382.0

Total vehicle waiting time = 0.00

Total customer waiting time = 21009.87

--------------------------------------------------

Ep 7/50 | Reward 4417.97 | Loss 498433739.60 | Dist 1003.97 | Vehl 4

Vehicle 0: Route=[0, 43, 10, 12, 9, 30, 44, 32, 29, 18, 15, 14, 17, 19, 50, 21, 20, 23, 22, 1, 25, 26, 2, 27, 8, 7, 37, 0], Distance=297.58, RemCap=24.0

Vehicle 1: Route=[0, 47, 16, 35, 13, 48, 5, 39, 3, 33, 31, 36, 0], Distance=247.14, RemCap=284.0

Vehicle 2: Route=[0, 4, 40, 38, 11, 28, 42, 0], Distance=216.34, RemCap=389.0

Vehicle 3: Route=[0, 45, 6, 46, 34, 24, 41, 49, 0], Distance=242.91, RemCap=343.0

Total vehicle waiting time = 0.00

Total customer waiting time = 21499.17

--------------------------------------------------

Ep 8/50 | Reward 4462.10 | Loss 526182074.33 | Dist 993.77 | Vehl 4

Vehicle 0: Route=[0, 43, 44, 19, 16, 14, 15, 18, 9, 28, 10, 11, 13, 8, 7, 6, 37, 2, 5, 4, 3, 1, 22, 24, 23, 20, 40, 0], Distance=294.51, RemCap=5.0

Vehicle 1: Route=[0, 50, 17, 41, 42, 12, 46, 27, 34, 26, 31, 36, 0], Distance=253.88, RemCap=300.0

Vehicle 2: Route=[0, 47, 29, 35, 21, 25, 45, 48, 49, 0], Distance=262.46, RemCap=327.0

Vehicle 3: Route=[0, 39, 33, 32, 30, 38, 0], Distance=182.92, RemCap=408.0

Total vehicle waiting time = 0.00

Total customer waiting time = 23278.44

--------------------------------------------------

Ep 9/50 | Reward 3834.60 | Loss 350376163.92 | Dist 897.08 | Vehl 4

Vehicle 0: Route=[0, 45, 37, 2, 1, 3, 4, 26, 27, 7, 6, 47, 12, 28, 9, 30, 18, 15, 14, 41, 16, 17, 33, 22, 23, 20, 36, 0], Distance=299.26, RemCap=29.0

Vehicle 1: Route=[0, 32, 35, 19, 39, 5, 46, 48, 0], Distance=187.09, RemCap=337.0

Vehicle 2: Route=[0, 8, 49, 10, 11, 43, 29, 50, 21, 31, 0], Distance=199.28, RemCap=324.0

Vehicle 3: Route=[0, 34, 25, 24, 40, 38, 42, 13, 44, 0], Distance=211.46, RemCap=350.0

Total vehicle waiting time = 0.00

Total customer waiting time = 25077.04

--------------------------------------------------

Ep 10/50 | Reward 4655.29 | Loss 574482247.73 | Dist 971.07 | Vehl 4

Vehicle 0: Route=[0, 6, 8, 27, 7, 5, 26, 4, 3, 1, 2, 23, 24, 31, 20, 21, 16, 14, 15, 18, 19, 42, 28, 12, 10, 13, 11, 30, 32, 50, 0], Distance=308.76, RemCap=8.0

Vehicle 1: Route=[0, 33, 40, 25, 39, 45, 46, 9, 41, 38, 0], Distance=264.31, RemCap=303.0

Vehicle 2: Route=[0, 43, 44, 29, 17, 36, 37, 48, 34, 0], Distance=215.52, RemCap=295.0

Vehicle 3: Route=[0, 22, 35, 47, 49, 0], Distance=182.49, RemCap=434.0

Total vehicle waiting time = 0.00

Total customer waiting time = 21734.02

--------------------------------------------------

Ep 11/50 | Reward 4601.54 | Loss 560911929.82 | Dist 928.24 | Vehl 4

Vehicle 0: Route=[0, 29, 19, 16, 14, 15, 18, 30, 9, 28, 12, 10, 11, 8, 27, 7, 6, 34, 2, 26, 1, 22, 24, 23, 20, 21, 40, 0], Distance=283.30, RemCap=1.0

Vehicle 1: Route=[0, 44, 50, 41, 32, 13, 46, 5, 3, 37, 0], Distance=222.83, RemCap=370.0

Vehicle 2: Route=[0, 45, 48, 42, 17, 33, 31, 36, 4, 39, 0], Distance=226.58, RemCap=262.0

Vehicle 3: Route=[0, 25, 47, 43, 49, 38, 35, 0], Distance=195.52, RemCap=407.0

Total vehicle waiting time = 0.00

Total customer waiting time = 22308.80

--------------------------------------------------

Ep 12/50 | Reward 4126.94 | Loss 405253107.01 | Dist 933.94 | Vehl 4

Vehicle 0: Route=[0, 29, 16, 14, 15, 38, 35, 42, 28, 10, 11, 13, 47, 48, 8, 27, 7, 6, 2, 26, 25, 4, 23, 24, 33, 21, 20, 31, 0], Distance=297.03, RemCap=3.0

Vehicle 1: Route=[0, 50, 17, 30, 12, 39, 3, 22, 36, 0], Distance=226.27, RemCap=352.0

Vehicle 2: Route=[0, 44, 43, 49, 9, 18, 41, 1, 45, 0], Distance=204.18, RemCap=337.0

Vehicle 3: Route=[0, 40, 19, 32, 46, 34, 5, 37, 0], Distance=206.46, RemCap=348.0

Total vehicle waiting time = 0.00

Total customer waiting time = 23190.43

--------------------------------------------------

Ep 13/50 | Reward 4031.40 | Loss 404280917.15 | Dist 934.75 | Vehl 4

Vehicle 0: Route=[0, 45, 37, 31, 36, 24, 22, 1, 25, 26, 2, 5, 27, 7, 6, 13, 11, 28, 9, 42, 18, 15, 14, 16, 17, 29, 30, 43, 0], Distance=302.89, RemCap=37.0

Vehicle 1: Route=[0, 39, 33, 40, 20, 21, 41, 19, 47, 10, 12, 49, 0], Distance=232.39, RemCap=214.0

Vehicle 2: Route=[0, 44, 32, 38, 50, 23, 4, 46, 0], Distance=208.41, RemCap=399.0

Vehicle 3: Route=[0, 3, 34, 8, 48, 35, 0], Distance=191.05, RemCap=390.0

Total vehicle waiting time = 0.00

Total customer waiting time = 23932.79

--------------------------------------------------

Ep 14/50 | Reward 4273.34 | Loss 447010184.34 | Dist 903.79 | Vehl 4

Vehicle 0: Route=[0, 44, 32, 29, 19, 17, 16, 14, 15, 18, 35, 30, 11, 10, 28, 8, 27, 6, 5, 2, 25, 4, 3, 1, 23, 24, 22, 40, 0], Distance=275.98, RemCap=19.0

Vehicle 1: Route=[0, 33, 38, 9, 12, 13, 46, 7, 37, 39, 34, 0], Distance=251.37, RemCap=311.0

Vehicle 2: Route=[0, 43, 50, 41, 36, 26, 48, 0], Distance=210.80, RemCap=374.0

Vehicle 3: Route=[0, 45, 47, 49, 42, 21, 20, 31, 0], Distance=165.65, RemCap=336.0

Total vehicle waiting time = 0.00

Total customer waiting time = 21448.40

--------------------------------------------------

Ep 15/50 | Reward 4265.45 | Loss 433933482.78 | Dist 885.52 | Vehl 4

Vehicle 0: Route=[0, 22, 31, 21, 23, 1, 3, 26, 2, 27, 8, 6, 47, 13, 49, 28, 9, 10, 11, 30, 15, 14, 41, 16, 17, 19, 29, 32, 50, 0], Distance=296.85, RemCap=13.0

Vehicle 1: Route=[0, 24, 4, 39, 34, 37, 48, 12, 42, 0], Distance=208.45, RemCap=300.0

Vehicle 2: Route=[0, 43, 35, 38, 20, 33, 5, 7, 46, 0], Distance=215.27, RemCap=353.0

Vehicle 3: Route=[0, 44, 18, 40, 36, 25, 45, 0], Distance=164.95, RemCap=374.0

Total vehicle waiting time = 0.00

Total customer waiting time = 23114.32

--------------------------------------------------

Ep 16/50 | Reward 4085.04 | Loss 383624412.64 | Dist 982.67 | Vehl 4

Vehicle 0: Route=[0, 11, 10, 12, 28, 42, 30, 29, 19, 15, 14, 16, 17, 21, 20, 23, 24, 1, 3, 26, 2, 5, 7, 27, 8, 48, 0], Distance=279.46, RemCap=0.0

Vehicle 1: Route=[0, 47, 9, 32, 38, 33, 22, 4, 46, 37, 45, 0], Distance=246.61, RemCap=335.0

Vehicle 2: Route=[0, 34, 39, 25, 31, 44, 13, 49, 18, 41, 0], Distance=249.86, RemCap=321.0

Vehicle 3: Route=[0, 43, 6, 36, 40, 50, 35, 0], Distance=206.73, RemCap=384.0

Total vehicle waiting time = 0.00

Total customer waiting time = 23274.06

--------------------------------------------------

Ep 17/50 | Reward 4757.55 | Loss 570181308.29 | Dist 843.28 | Vehl 4

Vehicle 0: Route=[0, 13, 49, 12, 28, 9, 10, 11, 30, 29, 18, 15, 14, 17, 21, 31, 24, 23, 1, 4, 25, 39, 2, 34, 6, 27, 46, 0], Distance=277.32, RemCap=1.0

Vehicle 1: Route=[0, 40, 22, 5, 8, 44, 42, 38, 41, 16, 19, 32, 50, 0], Distance=251.82, RemCap=288.0

Vehicle 2: Route=[0, 43, 35, 36, 3, 26, 37, 7, 48, 0], Distance=212.93, RemCap=354.0

Vehicle 3: Route=[0, 33, 20, 45, 47, 0], Distance=101.22, RemCap=397.0

Total vehicle waiting time = 181.66

Total customer waiting time = 20663.00

--------------------------------------------------

Ep 18/50 | Reward 4883.32 | Loss 631195177.46 | Dist 833.12 | Vehl 4

Vehicle 0: Route=[0, 21, 31, 22, 24, 23, 1, 3, 25, 26, 2, 5, 7, 27, 8, 13, 11, 10, 12, 28, 9, 42, 29, 19, 18, 38, 17, 16, 14, 41, 0], Distance=292.98, RemCap=9.0

Vehicle 1: Route=[0, 44, 30, 32, 40, 36, 4, 39, 6, 37, 45, 0], Distance=186.17, RemCap=273.0

Vehicle 2: Route=[0, 33, 20, 15, 35, 43, 46, 48, 0], Distance=197.39, RemCap=343.0

Vehicle 3: Route=[0, 34, 47, 49, 50, 0], Distance=156.57, RemCap=415.0

Total vehicle waiting time = 0.00

Total customer waiting time = 20369.92

--------------------------------------------------

Ep 19/50 | Reward 4264.71 | Loss 431931496.00 | Dist 897.68 | Vehl 4

Vehicle 0: Route=[0, 47, 13, 11, 10, 28, 9, 30, 32, 29, 15, 14, 16, 17, 21, 20, 23, 24, 22, 1, 4, 26, 39, 2, 27, 8, 7, 37, 0], Distance=279.57, RemCap=3.0

Vehicle 1: Route=[0, 5, 6, 46, 48, 43, 49, 12, 35, 18, 31, 0], Distance=244.81, RemCap=313.0

Vehicle 2: Route=[0, 34, 3, 36, 33, 50, 19, 42, 44, 0], Distance=202.31, RemCap=321.0

Vehicle 3: Route=[0, 45, 25, 40, 38, 41, 0], Distance=170.99, RemCap=403.0

Total vehicle waiting time = 0.00

Total customer waiting time = 23656.12

--------------------------------------------------

Ep 20/50 | Reward 4064.53 | Loss 376179429.13 | Dist 948.53 | Vehl 4

Vehicle 0: Route=[0, 44, 32, 29, 17, 16, 14, 15, 38, 30, 9, 28, 12, 49, 10, 11, 13, 47, 46, 27, 6, 2, 4, 1, 24, 20, 21, 31, 0], Distance=293.53, RemCap=13.0

Vehicle 1: Route=[0, 43, 50, 41, 36, 22, 3, 7, 37, 0], Distance=217.27, RemCap=375.0

Vehicle 2: Route=[0, 23, 40, 18, 35, 48, 8, 5, 39, 0], Distance=229.68, RemCap=310.0

Vehicle 3: Route=[0, 25, 26, 34, 45, 42, 19, 33, 0], Distance=208.05, RemCap=342.0

Total vehicle waiting time = 83.58

Total customer waiting time = 23993.36

--------------------------------------------------

Ep 21/50 | Reward 4698.40 | Loss 596637144.22 | Dist 973.38 | Vehl 4

Vehicle 0: Route=[0, 37, 7, 27, 5, 26, 4, 1, 2, 23, 24, 22, 33, 21, 17, 15, 38, 18, 19, 29, 42, 9, 28, 12, 10, 13, 11, 30, 43, 50, 0], Distance=316.35, RemCap=5.0

Vehicle 1: Route=[0, 16, 14, 32, 47, 48, 6, 39, 25, 45, 0], Distance=193.40, RemCap=304.0

Vehicle 2: Route=[0, 35, 49, 8, 3, 36, 31, 0], Distance=236.14, RemCap=390.0

Vehicle 3: Route=[0, 44, 46, 34, 40, 20, 41, 0], Distance=227.49, RemCap=341.0

Total vehicle waiting time = 0.00

Total customer waiting time = 20969.58

--------------------------------------------------

Ep 22/50 | Reward 4335.23 | Loss 439619548.04 | Dist 903.50 | Vehl 4

Vehicle 0: Route=[0, 24, 23, 40, 21, 16, 41, 14, 15, 18, 29, 50, 43, 11, 9, 28, 12, 10, 13, 8, 7, 6, 5, 26, 4, 3, 1, 2, 37, 0], Distance=300.01, RemCap=15.0

Vehicle 1: Route=[0, 19, 17, 35, 32, 44, 47, 48, 46, 27, 25, 36, 0], Distance=227.63, RemCap=292.0

Vehicle 2: Route=[0, 49, 42, 30, 33, 22, 34, 45, 0], Distance=189.86, RemCap=333.0

Vehicle 3: Route=[0, 39, 38, 20, 31, 0], Distance=186.00, RemCap=400.0

Total vehicle waiting time = 0.00

Total customer waiting time = 23936.51

--------------------------------------------------

Ep 23/50 | Reward 5062.69 | Loss 721204472.10 | Dist 835.23 | Vehl 4

Vehicle 0: Route=[0, 45, 48, 8, 7, 6, 37, 2, 26, 4, 1, 22, 21, 19, 17, 16, 14, 15, 18, 42, 9, 28, 12, 13, 11, 30, 29, 50, 0], Distance=300.13, RemCap=5.0

Vehicle 1: Route=[0, 10, 49, 46, 27, 34, 5, 33, 40, 20, 31, 0], Distance=195.64, RemCap=250.0

Vehicle 2: Route=[0, 39, 25, 3, 23, 24, 43, 32, 35, 41, 0], Distance=203.95, RemCap=360.0

Vehicle 3: Route=[0, 47, 44, 38, 36, 0], Distance=135.51, RemCap=425.0

Total vehicle waiting time = 0.00

Total customer waiting time = 19273.16

--------------------------------------------------

Ep 24/50 | Reward 4531.62 | Loss 497383199.01 | Dist 928.97 | Vehl 4

Vehicle 0: Route=[0, 21, 20, 36, 23, 24, 1, 25, 2, 5, 7, 27, 8, 6, 13, 10, 12, 28, 9, 42, 30, 19, 17, 16, 14, 18, 38, 0], Distance=290.03, RemCap=0.0

Vehicle 1: Route=[0, 44, 11, 32, 29, 35, 15, 33, 40, 22, 4, 37, 48, 0], Distance=243.43, RemCap=279.0

Vehicle 2: Route=[0, 31, 39, 26, 34, 47, 49, 50, 41, 0], Distance=256.61, RemCap=335.0

Vehicle 3: Route=[0, 3, 46, 45, 43, 0], Distance=138.90, RemCap=426.0

Total vehicle waiting time = 0.00

Total customer waiting time = 21636.93

--------------------------------------------------

Ep 25/50 | Reward 4793.13 | Loss 607331871.47 | Dist 815.42 | Vehl 4

Vehicle 0: Route=[0, 6, 7, 27, 8, 13, 12, 28, 9, 10, 30, 29, 19, 18, 35, 15, 14, 17, 21, 22, 24, 23, 1, 3, 4, 25, 26, 2, 39, 0], Distance=290.07, RemCap=1.0

Vehicle 1: Route=[0, 45, 43, 11, 49, 48, 34, 5, 36, 31, 16, 41, 0], Distance=261.77, RemCap=256.0

Vehicle 2: Route=[0, 37, 46, 42, 38, 20, 40, 33, 0], Distance=205.55, RemCap=330.0

Vehicle 3: Route=[0, 47, 44, 32, 50, 0], Distance=58.02, RemCap=453.0

Total vehicle waiting time = 0.00

Total customer waiting time = 20765.64

--------------------------------------------------

Ep 26/50 | Reward 4407.26 | Loss 477390933.65 | Dist 923.41 | Vehl 4

Vehicle 0: Route=[0, 6, 7, 27, 34, 5, 2, 3, 1, 24, 23, 20, 21, 44, 13, 12, 28, 9, 11, 30, 42, 29, 19, 16, 14, 15, 38, 18, 35, 0], Distance=312.98, RemCap=1.0

Vehicle 1: Route=[0, 50, 17, 41, 33, 36, 22, 4, 46, 45, 0], Distance=211.23, RemCap=324.0

Vehicle 2: Route=[0, 40, 25, 39, 26, 37, 47, 10, 48, 0], Distance=199.13, RemCap=295.0

Vehicle 3: Route=[0, 31, 32, 49, 8, 43, 0], Distance=200.06, RemCap=420.0

Total vehicle waiting time = 0.00

Total customer waiting time = 21995.96

--------------------------------------------------

Ep 27/50 | Reward 4753.55 | Loss 555458676.76 | Dist 892.29 | Vehl 4

Vehicle 0: Route=[0, 29, 19, 17, 16, 14, 15, 38, 18, 30, 11, 9, 10, 13, 46, 8, 27, 7, 6, 37, 5, 26, 4, 3, 25, 2, 24, 21, 36, 0], Distance=290.75, RemCap=2.0

Vehicle 1: Route=[0, 44, 12, 49, 48, 45, 39, 1, 23, 22, 40, 33, 41, 0], Distance=267.29, RemCap=214.0

Vehicle 2: Route=[0, 31, 20, 47, 42, 32, 50, 0], Distance=153.42, RemCap=391.0

Vehicle 3: Route=[0, 34, 43, 28, 35, 0], Distance=180.84, RemCap=433.0

Total vehicle waiting time = 0.00

Total customer waiting time = 21147.66

--------------------------------------------------

Ep 28/50 | Reward 4391.55 | Loss 465873364.65 | Dist 946.45 | Vehl 4

Vehicle 0: Route=[0, 29, 19, 17, 14, 15, 30, 9, 12, 11, 13, 6, 8, 27, 7, 5, 2, 39, 25, 4, 3, 1, 24, 23, 20, 33, 31, 0], Distance=290.93, RemCap=1.0

Vehicle 1: Route=[0, 37, 34, 46, 49, 28, 10, 32, 21, 38, 41, 0], Distance=274.51, RemCap=308.0

Vehicle 2: Route=[0, 40, 26, 48, 43, 44, 42, 18, 35, 0], Distance=235.19, RemCap=333.0

Vehicle 3: Route=[0, 47, 50, 16, 36, 22, 45, 0], Distance=145.82, RemCap=398.0

Total vehicle waiting time = 0.00

Total customer waiting time = 21953.90

--------------------------------------------------

Ep 29/50 | Reward 4729.05 | Loss 546718927.89 | Dist 915.37 | Vehl 4

Vehicle 0: Route=[0, 6, 8, 27, 7, 5, 2, 4, 1, 22, 24, 23, 20, 21, 16, 14, 15, 19, 29, 30, 11, 13, 10, 9, 28, 12, 49, 0], Distance=283.99, RemCap=1.0

Vehicle 1: Route=[0, 45, 3, 26, 46, 43, 44, 42, 18, 38, 36, 31, 50, 0], Distance=277.40, RemCap=297.0

Vehicle 2: Route=[0, 39, 34, 48, 47, 32, 17, 35, 0], Distance=187.25, RemCap=341.0

Vehicle 3: Route=[0, 41, 40, 33, 25, 37, 0], Distance=166.73, RemCap=401.0

Total vehicle waiting time = 0.00

Total customer waiting time = 21794.81

--------------------------------------------------

Ep 30/50 | Reward 4924.22 | Loss 656533601.38 | Dist 870.45 | Vehl 4

Vehicle 0: Route=[0, 21, 20, 36, 23, 24, 22, 1, 4, 26, 2, 5, 27, 8, 7, 6, 13, 12, 28, 10, 11, 30, 18, 15, 14, 17, 29, 44, 0], Distance=288.06, RemCap=2.0

Vehicle 1: Route=[0, 47, 43, 9, 42, 35, 38, 41, 16, 19, 33, 25, 48, 0], Distance=233.59, RemCap=266.0

Vehicle 2: Route=[0, 49, 32, 40, 3, 39, 45, 0], Distance=179.59, RemCap=360.0

Vehicle 3: Route=[0, 37, 34, 46, 50, 31, 0], Distance=169.22, RemCap=412.0

Total vehicle waiting time = 0.00

Total customer waiting time = 19388.19

--------------------------------------------------

Ep 31/50 | Reward 4330.66 | Loss 419895542.70 | Dist 973.98 | Vehl 4

Vehicle 0: Route=[0, 47, 11, 10, 9, 28, 8, 27, 7, 6, 45, 2, 5, 4, 3, 1, 23, 24, 22, 31, 21, 19, 17, 16, 14, 15, 18, 35, 42, 0], Distance=315.39, RemCap=6.0

Vehicle 1: Route=[0, 33, 36, 26, 13, 49, 12, 44, 50, 41, 0], Distance=249.48, RemCap=342.0

Vehicle 2: Route=[0, 40, 29, 32, 30, 43, 48, 34, 25, 37, 0], Distance=209.07, RemCap=302.0

Vehicle 3: Route=[0, 38, 20, 39, 46, 0], Distance=200.04, RemCap=390.0

Total vehicle waiting time = 0.00

Total customer waiting time = 22793.21

--------------------------------------------------

Ep 32/50 | Reward 4006.25 | Loss 371986408.48 | Dist 912.95 | Vehl 4

Vehicle 0: Route=[0, 45, 21, 20, 22, 2, 1, 3, 4, 26, 5, 34, 6, 7, 8, 13, 12, 9, 10, 30, 44, 32, 19, 16, 14, 15, 38, 35, 0], Distance=318.33, RemCap=2.0

Vehicle 1: Route=[0, 37, 46, 27, 25, 36, 40, 17, 18, 50, 43, 28, 49, 0], Distance=264.72, RemCap=285.0

Vehicle 2: Route=[0, 11, 42, 29, 39, 48, 0], Distance=186.09, RemCap=349.0

Vehicle 3: Route=[0, 47, 41, 31, 23, 24, 33, 0], Distance=143.81, RemCap=404.0

Total vehicle waiting time = 0.00

Total customer waiting time = 23946.90

--------------------------------------------------

Ep 33/50 | Reward 4479.59 | Loss 479868414.18 | Dist 913.02 | Vehl 4

Vehicle 0: Route=[0, 29, 19, 17, 16, 14, 18, 30, 9, 28, 12, 49, 10, 11, 27, 6, 37, 5, 26, 4, 3, 2, 24, 23, 20, 21, 31, 0], Distance=290.15, RemCap=2.0

Vehicle 1: Route=[0, 47, 43, 44, 32, 15, 1, 25, 34, 48, 8, 46, 0], Distance=216.92, RemCap=295.0

Vehicle 2: Route=[0, 22, 36, 38, 42, 13, 50, 0], Distance=183.83, RemCap=400.0

Vehicle 3: Route=[0, 45, 7, 39, 35, 41, 40, 33, 0], Distance=222.10, RemCap=343.0

Total vehicle waiting time = 0.00

Total customer waiting time = 21866.54

--------------------------------------------------

Ep 34/50 | Reward 4925.85 | Loss 642545953.47 | Dist 956.08 | Vehl 4

Vehicle 0: Route=[0, 22, 24, 21, 20, 23, 1, 3, 25, 2, 5, 27, 7, 6, 13, 11, 10, 28, 9, 30, 29, 19, 17, 16, 14, 15, 18, 42, 0], Distance=296.90, RemCap=0.0

Vehicle 1: Route=[0, 37, 39, 4, 33, 41, 35, 49, 8, 46, 0], Distance=247.67, RemCap=301.0

Vehicle 2: Route=[0, 34, 12, 43, 44, 50, 36, 31, 0], Distance=202.10, RemCap=375.0

Vehicle 3: Route=[0, 47, 45, 48, 26, 40, 38, 32, 0], Distance=209.41, RemCap=364.0

Total vehicle waiting time = 0.00

Total customer waiting time = 18188.49

--------------------------------------------------

Ep 35/50 | Reward 4554.81 | Loss 515847016.25 | Dist 873.86 | Vehl 4

Vehicle 0: Route=[0, 33, 21, 22, 24, 23, 1, 3, 4, 26, 39, 2, 5, 34, 6, 27, 8, 46, 49, 12, 28, 9, 10, 13, 32, 17, 15, 18, 35, 0], Distance=292.84, RemCap=7.0

Vehicle 1: Route=[0, 48, 47, 43, 30, 42, 50, 20, 19, 16, 14, 38, 0], Distance=247.08, RemCap=248.0

Vehicle 2: Route=[0, 44, 11, 45, 37, 7, 25, 40, 36, 0], Distance=198.40, RemCap=345.0

Vehicle 3: Route=[0, 31, 29, 41, 0], Distance=135.53, RemCap=440.0

Total vehicle waiting time = 0.00

Total customer waiting time = 21432.30

--------------------------------------------------

Ep 36/50 | Reward 3928.64 | Loss 342746266.22 | Dist 911.22 | Vehl 4

Vehicle 0: Route=[0, 44, 43, 11, 9, 12, 10, 13, 48, 8, 27, 7, 37, 2, 5, 26, 25, 3, 1, 23, 24, 31, 17, 16, 14, 15, 38, 18, 35, 0], Distance=291.29, RemCap=35.0

Vehicle 1: Route=[0, 28, 30, 19, 50, 33, 20, 34, 6, 46, 0], Distance=248.26, RemCap=302.0

Vehicle 2: Route=[0, 42, 32, 29, 41, 21, 36, 22, 4, 45, 0], Distance=203.75, RemCap=319.0

Vehicle 3: Route=[0, 47, 49, 39, 40, 0], Distance=167.93, RemCap=384.0

Total vehicle waiting time = 0.00

Total customer waiting time = 24476.95

--------------------------------------------------

Ep 37/50 | Reward 4688.82 | Loss 529788122.97 | Dist 904.64 | Vehl 4

Vehicle 0: Route=[0, 40, 21, 24, 23, 3, 4, 25, 26, 2, 37, 6, 7, 27, 8, 13, 49, 12, 28, 9, 10, 50, 29, 19, 17, 14, 15, 18, 35, 0], Distance=296.63, RemCap=2.0

Vehicle 1: Route=[0, 16, 41, 42, 11, 43, 48, 46, 39, 1, 31, 0], Distance=249.42, RemCap=282.0

Vehicle 2: Route=[0, 45, 34, 20, 33, 44, 30, 47, 0], Distance=170.14, RemCap=329.0

Vehicle 3: Route=[0, 32, 38, 5, 22, 36, 0], Distance=188.45, RemCap=427.0

Total vehicle waiting time = 0.00

Total customer waiting time = 21234.48

--------------------------------------------------

Ep 38/50 | Reward 4638.31 | Loss 545509800.95 | Dist 851.27 | Vehl 4

Vehicle 0: Route=[0, 29, 19, 16, 15, 18, 30, 11, 10, 9, 28, 12, 13, 48, 27, 7, 6, 37, 2, 5, 26, 25, 4, 3, 1, 24, 20, 21, 31, 0], Distance=279.21, RemCap=2.0

Vehicle 1: Route=[0, 39, 22, 33, 17, 41, 14, 38, 49, 8, 46, 45, 0], Distance=246.71, RemCap=253.0

Vehicle 2: Route=[0, 23, 36, 44, 50, 35, 42, 0], Distance=173.22, RemCap=381.0

Vehicle 3: Route=[0, 47, 43, 32, 40, 34, 0], Distance=152.13, RemCap=404.0

Total vehicle waiting time = 0.00

Total customer waiting time = 21636.22

--------------------------------------------------

Ep 39/50 | Reward 4317.02 | Loss 437647600.20 | Dist 915.83 | Vehl 4

Vehicle 0: Route=[0, 29, 19, 17, 16, 14, 15, 18, 30, 9, 12, 10, 11, 48, 8, 27, 7, 6, 2, 39, 3, 1, 24, 23, 36, 0], Distance=268.21, RemCap=1.0

Vehicle 1: Route=[0, 47, 46, 5, 26, 33, 20, 21, 41, 38, 35, 28, 43, 0], Distance=261.87, RemCap=297.0

Vehicle 2: Route=[0, 13, 42, 40, 22, 4, 25, 37, 45, 0], Distance=177.85, RemCap=343.0

Vehicle 3: Route=[0, 34, 31, 50, 44, 49, 32, 0], Distance=207.90, RemCap=399.0

Total vehicle waiting time = 0.00

Total customer waiting time = 22642.79

--------------------------------------------------

Ep 40/50 | Reward 3933.97 | Loss 339547111.57 | Dist 836.74 | Vehl 4

Vehicle 0: Route=[0, 30, 10, 49, 12, 28, 42, 18, 15, 14, 16, 17, 19, 33, 40, 24, 23, 1, 3, 4, 25, 2, 5, 7, 27, 8, 46, 0], Distance=275.59, RemCap=0.0

Vehicle 1: Route=[0, 6, 48, 11, 43, 44, 50, 35, 38, 21, 20, 31, 0], Distance=211.21, RemCap=305.0

Vehicle 2: Route=[0, 45, 39, 41, 9, 13, 47, 0], Distance=194.03, RemCap=367.0

Vehicle 3: Route=[0, 37, 34, 26, 22, 36, 29, 32, 0], Distance=155.91, RemCap=368.0

Total vehicle waiting time = 0.00

Total customer waiting time = 24696.25

--------------------------------------------------

Ep 41/50 | Reward 4899.66 | Loss 611042965.96 | Dist 873.45 | Vehl 4

Vehicle 0: Route=[0, 29, 16, 14, 15, 18, 42, 9, 28, 12, 10, 13, 11, 30, 43, 6, 7, 46, 8, 27, 37, 2, 5, 26, 25, 3, 1, 22, 21, 33, 0], Distance=307.15, RemCap=4.0

Vehicle 1: Route=[0, 44, 50, 38, 17, 40, 20, 23, 45, 0], Distance=152.78, RemCap=325.0

Vehicle 2: Route=[0, 47, 48, 4, 24, 36, 31, 19, 41, 0], Distance=214.33, RemCap=324.0

Vehicle 3: Route=[0, 34, 39, 32, 35, 49, 0], Distance=199.19, RemCap=387.0

Total vehicle waiting time = 0.00

Total customer waiting time = 20676.29

--------------------------------------------------

Ep 42/50 | Reward 5008.42 | Loss 668700469.95 | Dist 865.04 | Vehl 4

Vehicle 0: Route=[0, 29, 17, 16, 14, 15, 18, 30, 9, 12, 10, 13, 43, 44, 48, 8, 27, 7, 6, 5, 2, 26, 25, 4, 3, 1, 22, 21, 31, 0], Distance=298.94, RemCap=5.0

Vehicle 1: Route=[0, 37, 46, 34, 39, 40, 20, 41, 19, 11, 28, 42, 0], Distance=274.05, RemCap=220.0

Vehicle 2: Route=[0, 47, 49, 32, 50, 24, 23, 45, 0], Distance=155.53, RemCap=385.0

Vehicle 3: Route=[0, 33, 36, 35, 38, 0], Distance=136.53, RemCap=430.0

Total vehicle waiting time = 0.00

Total customer waiting time = 19773.89

--------------------------------------------------

Ep 43/50 | Reward 4688.58 | Loss 576470349.66 | Dist 916.59 | Vehl 4

Vehicle 0: Route=[0, 33, 21, 20, 23, 3, 25, 2, 5, 7, 27, 8, 6, 45, 13, 49, 10, 11, 30, 29, 19, 17, 14, 15, 18, 35, 0], Distance=302.67, RemCap=4.0

Vehicle 1: Route=[0, 50, 32, 16, 40, 22, 24, 4, 39, 48, 12, 42, 0], Distance=260.68, RemCap=287.0

Vehicle 2: Route=[0, 31, 36, 1, 26, 34, 37, 28, 9, 44, 0], Distance=190.68, RemCap=332.0

Vehicle 3: Route=[0, 41, 38, 43, 47, 46, 0], Distance=162.57, RemCap=417.0

Total vehicle waiting time = 0.00

Total customer waiting time = 20421.10

--------------------------------------------------

Ep 44/50 | Reward 4553.90 | Loss 521532781.05 | Dist 942.78 | Vehl 4

Vehicle 0: Route=[0, 37, 27, 7, 47, 13, 11, 10, 12, 28, 9, 30, 42, 35, 15, 14, 16, 18, 19, 29, 50, 21, 24, 23, 3, 4, 25, 26, 5, 39, 0], Distance=313.70, RemCap=6.0

Vehicle 1: Route=[0, 2, 8, 45, 43, 38, 17, 20, 36, 31, 0], Distance=233.80, RemCap=296.0

Vehicle 2: Route=[0, 49, 46, 6, 34, 1, 33, 40, 0], Distance=191.44, RemCap=330.0

Vehicle 3: Route=[0, 48, 22, 41, 44, 32, 0], Distance=203.84, RemCap=408.0

Total vehicle waiting time = 0.00

Total customer waiting time = 22030.32

--------------------------------------------------

Ep 45/50 | Reward 4368.39 | Loss 446991970.34 | Dist 968.26 | Vehl 4

Vehicle 0: Route=[0, 21, 20, 23, 22, 1, 4, 25, 26, 2, 5, 34, 7, 27, 8, 13, 11, 10, 12, 28, 35, 18, 15, 14, 17, 19, 29, 44, 0], Distance=286.14, RemCap=1.0

Vehicle 1: Route=[0, 45, 6, 37, 36, 16, 9, 49, 43, 32, 50, 0], Distance=247.54, RemCap=315.0

Vehicle 2: Route=[0, 48, 41, 40, 31, 33, 3, 39, 0], Distance=218.88, RemCap=330.0

Vehicle 3: Route=[0, 24, 46, 47, 30, 42, 38, 0], Distance=215.69, RemCap=394.0

Total vehicle waiting time = 0.00

Total customer waiting time = 23263.33

--------------------------------------------------

Ep 46/50 | Reward 4763.66 | Loss 601400120.30 | Dist 908.56 | Vehl 4

Vehicle 0: Route=[0, 21, 20, 23, 22, 3, 4, 26, 2, 5, 7, 27, 8, 48, 6, 47, 13, 12, 9, 30, 19, 17, 16, 14, 15, 18, 35, 42, 0], Distance=320.71, RemCap=4.0

Vehicle 1: Route=[0, 44, 43, 11, 28, 41, 40, 36, 1, 25, 34, 0], Distance=226.32, RemCap=304.0

Vehicle 2: Route=[0, 50, 10, 46, 39, 37, 45, 0], Distance=165.66, RemCap=345.0

Vehicle 3: Route=[0, 24, 31, 33, 49, 32, 29, 38, 0], Distance=195.86, RemCap=387.0

Total vehicle waiting time = 0.00

Total customer waiting time = 20719.58

--------------------------------------------------

Ep 47/50 | Reward 5019.40 | Loss 643199546.13 | Dist 880.56 | Vehl 4

Vehicle 0: Route=[0, 31, 21, 36, 23, 24, 1, 3, 4, 25, 26, 5, 6, 7, 27, 8, 13, 11, 10, 9, 30, 44, 50, 19, 17, 16, 14, 15, 18, 29, 32, 0], Distance=290.32, RemCap=0.0

Vehicle 1: Route=[0, 33, 20, 22, 2, 34, 47, 43, 28, 12, 49, 0], Distance=195.06, RemCap=287.0

Vehicle 2: Route=[0, 46, 37, 40, 38, 42, 0], Distance=203.51, RemCap=390.0

Vehicle 3: Route=[0, 45, 48, 39, 41, 35, 0], Distance=191.67, RemCap=363.0

Total vehicle waiting time = 0.00

Total customer waiting time = 19988.41

--------------------------------------------------

Ep 48/50 | Reward 4636.03 | Loss 498246036.06 | Dist 917.09 | Vehl 4

Vehicle 0: Route=[0, 47, 13, 11, 10, 12, 28, 9, 30, 29, 18, 38, 14, 16, 21, 20, 23, 24, 1, 3, 4, 25, 26, 2, 5, 7, 8, 6, 37, 0], Distance=280.03, RemCap=6.0

Vehicle 1: Route=[0, 45, 27, 46, 42, 15, 17, 32, 33, 31, 40, 0], Distance=216.48, RemCap=319.0

Vehicle 2: Route=[0, 44, 19, 41, 49, 34, 22, 36, 0], Distance=246.61, RemCap=331.0

Vehicle 3: Route=[0, 39, 48, 43, 35, 50, 0], Distance=173.98, RemCap=384.0

Total vehicle waiting time = 0.00

Total customer waiting time = 22101.56

--------------------------------------------------

Ep 49/50 | Reward 5192.06 | Loss 732126440.02 | Dist 912.48 | Vehl 4

Vehicle 0: Route=[0, 21, 24, 23, 1, 3, 4, 26, 2, 5, 6, 7, 27, 8, 49, 12, 28, 9, 10, 11, 30, 35, 18, 15, 14, 17, 19, 29, 32, 0], Distance=280.10, RemCap=8.0

Vehicle 1: Route=[0, 50, 44, 43, 13, 46, 25, 22, 31, 33, 37, 0], Distance=212.87, RemCap=356.0

Vehicle 2: Route=[0, 39, 48, 47, 38, 20, 40, 0], Distance=217.60, RemCap=324.0

Vehicle 3: Route=[0, 42, 16, 41, 36, 34, 45, 0], Distance=201.91, RemCap=352.0

Total vehicle waiting time = 0.00

Total customer waiting time = 18439.88

--------------------------------------------------

Ep 50/50 | Reward 4192.84 | Loss 375132435.96 | Dist 980.42 | Vehl 4

Vehicle 0: Route=[0, 50, 29, 19, 17, 14, 15, 18, 30, 9, 28, 12, 10, 11, 44, 37, 6, 27, 34, 2, 26, 25, 4, 3, 1, 24, 21, 36, 0], Distance=301.87, RemCap=4.0

Vehicle 1: Route=[0, 40, 23, 22, 45, 8, 47, 42, 38, 16, 41, 0], Distance=245.10, RemCap=306.0

Vehicle 2: Route=[0, 13, 35, 31, 39, 5, 48, 46, 0], Distance=226.32, RemCap=350.0

Vehicle 3: Route=[0, 33, 20, 32, 49, 7, 43, 0], Distance=207.14, RemCap=380.0

Total vehicle waiting time = 0.00

Total customer waiting time = 23664.64

--------------------------------------------------

--- Training with max\_vehicles = 5 ---

Ep 1/50 | Reward 4193.89 | Loss 433372294.61 | Dist 977.55 | Vehl 5

Vehicle 0: Route=[0, 21, 20, 3, 4, 25, 26, 5, 2, 37, 6, 7, 27, 8, 46, 13, 11, 12, 28, 9, 42, 30, 32, 29, 17, 18, 15, 14, 41, 0], Distance=302.87, RemCap=18.0

Vehicle 1: Route=[0, 22, 24, 34, 48, 44, 50, 19, 16, 35, 0], Distance=218.60, RemCap=332.0

Vehicle 2: Route=[0, 47, 10, 33, 40, 23, 45, 0], Distance=143.36, RemCap=347.0

Vehicle 3: Route=[0, 1, 36, 31, 49, 43, 0], Distance=169.01, RemCap=393.0

Vehicle 4: Route=[0, 38, 39, 0], Distance=143.72, RemCap=450.0

Total vehicle waiting time = 0.00

Total customer waiting time = 20404.54

--------------------------------------------------

Ep 2/50 | Reward 4557.42 | Loss 549408794.33 | Dist 933.63 | Vehl 5

Vehicle 0: Route=[0, 45, 6, 7, 8, 49, 12, 28, 9, 10, 13, 11, 30, 18, 15, 16, 29, 50, 33, 21, 23, 1, 3, 4, 25, 26, 2, 5, 34, 0], Distance=301.03, RemCap=5.0

Vehicle 1: Route=[0, 48, 27, 22, 36, 17, 14, 35, 32, 42, 0], Distance=231.54, RemCap=316.0

Vehicle 2: Route=[0, 39, 24, 44, 43, 19, 38, 0], Distance=186.33, RemCap=374.0

Vehicle 3: Route=[0, 31, 40, 20, 41, 0], Distance=132.67, RemCap=400.0

Vehicle 4: Route=[0, 47, 46, 37, 0], Distance=82.06, RemCap=445.0

Total vehicle waiting time = 0.00

Total customer waiting time = 20897.26

--------------------------------------------------

Ep 3/50 | Reward 4679.47 | Loss 570652447.35 | Dist 846.90 | Vehl 5

Vehicle 0: Route=[0, 20, 22, 1, 3, 4, 26, 5, 6, 7, 27, 8, 46, 49, 12, 28, 9, 10, 11, 30, 18, 15, 14, 16, 17, 19, 29, 50, 0], Distance=273.38, RemCap=2.0

Vehicle 1: Route=[0, 35, 42, 13, 47, 45, 25, 24, 23, 36, 31, 40, 0], Distance=217.71, RemCap=296.0

Vehicle 2: Route=[0, 2, 39, 21, 33, 43, 32, 38, 41, 0], Distance=206.45, RemCap=350.0

Vehicle 3: Route=[0, 44, 48, 37, 0], Distance=85.25, RemCap=422.0

Vehicle 4: Route=[0, 34, 0], Distance=64.12, RemCap=470.0

Total vehicle waiting time = 0.00

Total customer waiting time = 21372.94

--------------------------------------------------

Ep 4/50 | Reward 4523.89 | Loss 529322606.80 | Dist 993.26 | Vehl 5

Vehicle 0: Route=[0, 43, 11, 13, 12, 28, 9, 30, 35, 18, 15, 14, 16, 17, 33, 40, 21, 36, 22, 1, 3, 4, 26, 5, 27, 7, 6, 2, 39, 0], Distance=298.64, RemCap=24.0

Vehicle 1: Route=[0, 47, 29, 50, 31, 20, 23, 34, 8, 48, 0], Distance=193.37, RemCap=285.0

Vehicle 2: Route=[0, 25, 45, 49, 10, 41, 32, 0], Distance=201.14, RemCap=370.0

Vehicle 3: Route=[0, 44, 38, 24, 37, 0], Distance=145.86, RemCap=442.0

Vehicle 4: Route=[0, 19, 42, 46, 0], Distance=154.25, RemCap=419.0

Total vehicle waiting time = 0.00

Total customer waiting time = 20677.43

--------------------------------------------------

Ep 5/50 | Reward 4388.96 | Loss 502805012.23 | Dist 1009.06 | Vehl 5

Vehicle 0: Route=[0, 47, 13, 12, 28, 9, 10, 11, 30, 18, 15, 14, 16, 17, 33, 40, 22, 3, 4, 25, 5, 2, 37, 6, 46, 8, 27, 34, 0], Distance=297.06, RemCap=16.0

Vehicle 1: Route=[0, 48, 26, 24, 23, 36, 21, 41, 35, 0], Distance=205.85, RemCap=350.0

Vehicle 2: Route=[0, 45, 7, 1, 20, 50, 43, 32, 0], Distance=196.77, RemCap=374.0

Vehicle 3: Route=[0, 39, 44, 42, 29, 19, 38, 0], Distance=176.66, RemCap=340.0

Vehicle 4: Route=[0, 31, 49, 0], Distance=132.72, RemCap=460.0

Total vehicle waiting time = 0.00

Total customer waiting time = 20330.29

--------------------------------------------------

Ep 6/50 | Reward 3935.95 | Loss 388628134.17 | Dist 1034.59 | Vehl 5

Vehicle 0: Route=[0, 47, 45, 21, 20, 36, 22, 1, 26, 2, 5, 34, 6, 7, 27, 8, 13, 12, 28, 9, 30, 18, 38, 17, 16, 15, 14, 41, 0], Distance=316.65, RemCap=18.0

Vehicle 1: Route=[0, 11, 42, 19, 50, 3, 23, 33, 0], Distance=203.14, RemCap=370.0

Vehicle 2: Route=[0, 4, 31, 40, 32, 43, 44, 0], Distance=144.53, RemCap=401.0

Vehicle 3: Route=[0, 10, 49, 48, 25, 24, 37, 0], Distance=190.27, RemCap=351.0

Vehicle 4: Route=[0, 29, 35, 46, 39, 0], Distance=180.00, RemCap=400.0

Total vehicle waiting time = 0.00

Total customer waiting time = 22777.15

--------------------------------------------------

Ep 7/50 | Reward 5034.65 | Loss 716031745.54 | Dist 881.98 | Vehl 5

Vehicle 0: Route=[0, 21, 20, 36, 31, 24, 23, 1, 3, 4, 26, 2, 5, 27, 8, 6, 13, 11, 12, 9, 18, 15, 14, 16, 17, 19, 29, 47, 0], Distance=292.36, RemCap=14.0

Vehicle 1: Route=[0, 7, 46, 48, 10, 30, 35, 32, 50, 40, 0], Distance=203.36, RemCap=319.0

Vehicle 2: Route=[0, 43, 42, 28, 49, 37, 25, 22, 33, 0], Distance=181.84, RemCap=353.0

Vehicle 3: Route=[0, 41, 38, 0], Distance=98.01, RemCap=470.0

Vehicle 4: Route=[0, 44, 45, 34, 39, 0], Distance=106.42, RemCap=384.0

Total vehicle waiting time = 0.00

Total customer waiting time = 18299.85

--------------------------------------------------

Ep 8/50 | Reward 4742.82 | Loss 589725422.18 | Dist 935.12 | Vehl 5

Vehicle 0: Route=[0, 45, 21, 20, 23, 1, 3, 4, 2, 5, 7, 27, 8, 6, 13, 12, 9, 10, 11, 30, 32, 35, 18, 38, 17, 16, 15, 14, 41, 0], Distance=311.92, RemCap=11.0

Vehicle 1: Route=[0, 47, 28, 29, 19, 31, 24, 33, 0], Distance=163.14, RemCap=374.0

Vehicle 2: Route=[0, 39, 25, 40, 42, 44, 0], Distance=159.37, RemCap=370.0

Vehicle 3: Route=[0, 48, 46, 26, 22, 36, 0], Distance=139.16, RemCap=390.0

Vehicle 4: Route=[0, 37, 34, 50, 49, 43, 0], Distance=161.53, RemCap=395.0

Total vehicle waiting time = 0.00

Total customer waiting time = 19338.71

--------------------------------------------------

Ep 9/50 | Reward 4487.60 | Loss 492642737.23 | Dist 1067.99 | Vehl 5

Vehicle 0: Route=[0, 29, 17, 16, 14, 15, 18, 30, 11, 9, 10, 13, 8, 27, 7, 6, 37, 2, 5, 26, 25, 4, 3, 1, 23, 36, 21, 40, 0], Distance=281.46, RemCap=2.0

Vehicle 1: Route=[0, 20, 50, 32, 35, 12, 45, 48, 34, 0], Distance=254.20, RemCap=331.0

Vehicle 2: Route=[0, 22, 24, 39, 46, 28, 44, 19, 41, 0], Distance=250.56, RemCap=341.0

Vehicle 3: Route=[0, 33, 43, 49, 47, 0], Distance=123.99, RemCap=417.0

Vehicle 4: Route=[0, 31, 42, 38, 0], Distance=157.79, RemCap=449.0

Total vehicle waiting time = 0.00

Total customer waiting time = 22171.35

--------------------------------------------------

Ep 10/50 | Reward 4523.15 | Loss 520500670.26 | Dist 1019.22 | Vehl 5

Vehicle 0: Route=[0, 8, 7, 5, 2, 26, 25, 1, 22, 23, 20, 21, 17, 14, 15, 38, 18, 35, 19, 29, 30, 42, 9, 28, 11, 13, 47, 0], Distance=290.44, RemCap=34.0

Vehicle 1: Route=[0, 16, 40, 36, 4, 45, 6, 48, 0], Distance=206.62, RemCap=323.0

Vehicle 2: Route=[0, 33, 31, 41, 12, 10, 44, 43, 0], Distance=179.31, RemCap=364.0

Vehicle 3: Route=[0, 3, 39, 27, 32, 50, 0], Distance=150.21, RemCap=428.0

Vehicle 4: Route=[0, 24, 49, 46, 34, 37, 0], Distance=192.64, RemCap=391.0

Total vehicle waiting time = 0.00

Total customer waiting time = 19613.25

--------------------------------------------------

Ep 11/50 | Reward 4496.64 | Loss 529813227.90 | Dist 995.48 | Vehl 5

Vehicle 0: Route=[0, 21, 20, 24, 22, 1, 4, 2, 5, 27, 8, 7, 6, 45, 47, 13, 11, 10, 12, 28, 9, 19, 16, 14, 15, 18, 35, 42, 0], Distance=322.37, RemCap=6.0

Vehicle 1: Route=[0, 49, 32, 38, 41, 17, 36, 23, 34, 0], Distance=230.99, RemCap=337.0

Vehicle 2: Route=[0, 44, 30, 46, 37, 26, 39, 0], Distance=149.81, RemCap=373.0

Vehicle 3: Route=[0, 48, 3, 31, 40, 29, 50, 0], Distance=169.17, RemCap=371.0

Vehicle 4: Route=[0, 43, 25, 33, 0], Distance=123.13, RemCap=453.0

Total vehicle waiting time = 0.00

Total customer waiting time = 19882.08

--------------------------------------------------

Ep 12/50 | Reward 4782.69 | Loss 600524755.40 | Dist 972.04 | Vehl 5

Vehicle 0: Route=[0, 45, 48, 8, 27, 7, 6, 5, 26, 4, 3, 1, 2, 23, 24, 33, 50, 11, 10, 12, 28, 9, 29, 17, 14, 15, 18, 35, 0], Distance=308.64, RemCap=4.0

Vehicle 1: Route=[0, 40, 20, 25, 39, 49, 42, 16, 19, 32, 0], Distance=235.26, RemCap=276.0

Vehicle 2: Route=[0, 22, 36, 41, 30, 43, 13, 46, 0], Distance=215.15, RemCap=374.0

Vehicle 3: Route=[0, 47, 31, 21, 38, 44, 0], Distance=148.87, RemCap=435.0

Vehicle 4: Route=[0, 37, 34, 0], Distance=64.13, RemCap=451.0

Total vehicle waiting time = 0.00

Total customer waiting time = 19843.67

--------------------------------------------------

Ep 13/50 | Reward 5083.35 | Loss 701496980.53 | Dist 950.90 | Vehl 5

Vehicle 0: Route=[0, 45, 22, 40, 21, 23, 3, 4, 25, 2, 27, 8, 7, 6, 13, 12, 28, 9, 10, 11, 30, 29, 19, 17, 16, 14, 15, 18, 38, 0], Distance=294.68, RemCap=4.0

Vehicle 1: Route=[0, 5, 39, 1, 24, 20, 33, 50, 47, 43, 49, 0], Distance=198.70, RemCap=278.0

Vehicle 2: Route=[0, 26, 46, 48, 32, 44, 0], Distance=147.11, RemCap=408.0

Vehicle 3: Route=[0, 37, 36, 0], Distance=86.00, RemCap=451.0

Vehicle 4: Route=[0, 34, 31, 42, 41, 35, 0], Distance=224.41, RemCap=399.0

Total vehicle waiting time = 0.00

Total customer waiting time = 18841.71

--------------------------------------------------

Ep 14/50 | Reward 4689.83 | Loss 581958128.53 | Dist 1038.63 | Vehl 5

Vehicle 0: Route=[0, 22, 21, 23, 1, 3, 4, 26, 2, 27, 8, 7, 6, 13, 11, 10, 49, 12, 28, 42, 35, 15, 14, 16, 18, 19, 29, 30, 47, 0], Distance=302.02, RemCap=4.0

Vehicle 1: Route=[0, 5, 46, 44, 50, 41, 24, 33, 0], Distance=223.77, RemCap=382.0

Vehicle 2: Route=[0, 43, 9, 17, 20, 34, 37, 45, 0], Distance=211.96, RemCap=327.0

Vehicle 3: Route=[0, 32, 48, 39, 25, 31, 36, 0], Distance=179.58, RemCap=367.0

Vehicle 4: Route=[0, 38, 40, 0], Distance=121.30, RemCap=460.0

Total vehicle waiting time = 0.00

Total customer waiting time = 20830.21

--------------------------------------------------

Ep 15/50 | Reward 4748.09 | Loss 596809657.26 | Dist 909.70 | Vehl 5

Vehicle 0: Route=[0, 29, 17, 16, 41, 14, 18, 35, 30, 10, 9, 28, 12, 49, 11, 6, 7, 8, 27, 5, 26, 4, 3, 1, 23, 22, 31, 21, 33, 0], Distance=284.58, RemCap=21.0

Vehicle 1: Route=[0, 45, 37, 2, 48, 13, 43, 50, 24, 36, 0], Distance=198.73, RemCap=308.0

Vehicle 2: Route=[0, 47, 44, 32, 19, 15, 38, 0], Distance=101.55, RemCap=412.0

Vehicle 3: Route=[0, 42, 40, 25, 46, 34, 0], Distance=221.22, RemCap=379.0

Vehicle 4: Route=[0, 20, 39, 0], Distance=103.62, RemCap=420.0

Total vehicle waiting time = 0.00

Total customer waiting time = 20812.02

--------------------------------------------------

Ep 16/50 | Reward 4587.49 | Loss 543500478.28 | Dist 1052.64 | Vehl 5

Vehicle 0: Route=[0, 21, 20, 23, 24, 1, 3, 4, 26, 2, 5, 27, 7, 43, 13, 12, 28, 9, 10, 30, 18, 38, 15, 14, 17, 19, 29, 32, 44, 0], Distance=289.71, RemCap=2.0

Vehicle 1: Route=[0, 31, 36, 22, 39, 45, 6, 8, 11, 47, 0], Distance=192.19, RemCap=317.0

Vehicle 2: Route=[0, 37, 34, 40, 16, 35, 0], Distance=176.17, RemCap=401.0

Vehicle 3: Route=[0, 46, 42, 50, 33, 0], Distance=165.26, RemCap=420.0

Vehicle 4: Route=[0, 48, 25, 41, 49, 0], Distance=229.31, RemCap=400.0

Total vehicle waiting time = 0.00

Total customer waiting time = 20899.37

--------------------------------------------------

Ep 17/50 | Reward 4948.35 | Loss 631367328.74 | Dist 1006.87 | Vehl 5

Vehicle 0: Route=[0, 6, 8, 27, 7, 5, 26, 25, 3, 1, 2, 24, 23, 21, 17, 16, 14, 15, 38, 18, 19, 29, 30, 9, 28, 12, 10, 11, 13, 43, 0], Distance=282.77, RemCap=14.0

Vehicle 1: Route=[0, 47, 41, 20, 40, 4, 45, 46, 0], Distance=232.48, RemCap=327.0

Vehicle 2: Route=[0, 33, 31, 22, 39, 49, 44, 0], Distance=169.72, RemCap=371.0

Vehicle 3: Route=[0, 37, 32, 42, 0], Distance=109.48, RemCap=447.0

Vehicle 4: Route=[0, 34, 48, 50, 35, 36, 0], Distance=212.42, RemCap=381.0

Total vehicle waiting time = 0.00

Total customer waiting time = 19457.78

--------------------------------------------------

Ep 18/50 | Reward 4725.79 | Loss 587919080.56 | Dist 1116.01 | Vehl 5

Vehicle 0: Route=[0, 6, 7, 8, 27, 5, 25, 3, 1, 2, 22, 23, 20, 21, 40, 17, 14, 15, 18, 19, 29, 30, 28, 12, 10, 13, 11, 50, 0], Distance=307.14, RemCap=2.0

Vehicle 1: Route=[0, 45, 46, 24, 44, 9, 42, 35, 16, 32, 0], Distance=247.55, RemCap=350.0

Vehicle 2: Route=[0, 43, 4, 31, 0], Distance=131.16, RemCap=453.0

Vehicle 3: Route=[0, 47, 49, 38, 36, 26, 37, 0], Distance=204.82, RemCap=385.0

Vehicle 4: Route=[0, 48, 41, 33, 39, 34, 0], Distance=225.33, RemCap=350.0

Total vehicle waiting time = 0.00

Total customer waiting time = 19924.16

--------------------------------------------------

Ep 19/50 | Reward 4472.51 | Loss 475944996.39 | Dist 1063.37 | Vehl 5

Vehicle 0: Route=[0, 21, 20, 36, 23, 22, 1, 4, 26, 2, 5, 27, 8, 7, 6, 13, 12, 28, 9, 10, 30, 35, 18, 16, 17, 19, 29, 50, 0], Distance=279.11, RemCap=2.0

Vehicle 1: Route=[0, 47, 11, 48, 45, 25, 24, 15, 14, 40, 0], Distance=278.41, RemCap=317.0

Vehicle 2: Route=[0, 3, 44, 42, 43, 0], Distance=138.16, RemCap=423.0

Vehicle 3: Route=[0, 46, 33, 41, 38, 32, 0], Distance=184.26, RemCap=427.0

Vehicle 4: Route=[0, 49, 31, 39, 34, 37, 0], Distance=183.44, RemCap=371.0

Total vehicle waiting time = 0.00

Total customer waiting time = 20763.71

--------------------------------------------------

Ep 20/50 | Reward 4089.83 | Loss 372411672.55 | Dist 1079.84 | Vehl 5

Vehicle 0: Route=[0, 22, 31, 36, 23, 24, 1, 3, 4, 26, 2, 6, 27, 8, 48, 13, 10, 28, 9, 11, 30, 42, 29, 17, 16, 14, 38, 0], Distance=289.17, RemCap=0.0

Vehicle 1: Route=[0, 47, 15, 12, 7, 34, 39, 25, 40, 0], Distance=248.40, RemCap=344.0

Vehicle 2: Route=[0, 32, 19, 20, 5, 46, 37, 0], Distance=198.04, RemCap=368.0

Vehicle 3: Route=[0, 33, 50, 18, 43, 44, 0], Distance=131.16, RemCap=425.0

Vehicle 4: Route=[0, 21, 45, 49, 35, 41, 0], Distance=213.08, RemCap=403.0

Total vehicle waiting time = 0.00

Total customer waiting time = 22883.05

--------------------------------------------------

Ep 21/50 | Reward 4276.99 | Loss 446258290.10 | Dist 1021.66 | Vehl 5

Vehicle 0: Route=[0, 33, 21, 31, 24, 3, 4, 2, 5, 7, 27, 8, 49, 28, 9, 10, 13, 11, 30, 42, 29, 19, 18, 15, 14, 17, 16, 41, 0], Distance=304.64, RemCap=0.0

Vehicle 1: Route=[0, 37, 45, 44, 12, 48, 6, 26, 25, 1, 36, 0], Distance=214.18, RemCap=295.0

Vehicle 2: Route=[0, 32, 50, 20, 34, 0], Distance=149.26, RemCap=418.0

Vehicle 3: Route=[0, 46, 23, 22, 35, 43, 47, 0], Distance=198.24, RemCap=407.0

Vehicle 4: Route=[0, 39, 40, 38, 0], Distance=155.34, RemCap=420.0

Total vehicle waiting time = 0.00

Total customer waiting time = 22283.97

--------------------------------------------------

Ep 22/50 | Reward 4621.50 | Loss 522835695.45 | Dist 1060.01 | Vehl 5

Vehicle 0: Route=[0, 47, 43, 13, 12, 28, 10, 11, 30, 29, 19, 17, 15, 14, 16, 21, 20, 23, 1, 3, 4, 26, 5, 27, 6, 2, 24, 31, 0], Distance=323.63, RemCap=8.0

Vehicle 1: Route=[0, 33, 18, 32, 9, 48, 46, 7, 37, 39, 34, 0], Distance=256.55, RemCap=288.0

Vehicle 2: Route=[0, 45, 22, 40, 42, 44, 0], Distance=136.86, RemCap=383.0

Vehicle 3: Route=[0, 8, 50, 35, 41, 38, 0], Distance=172.52, RemCap=431.0

Vehicle 4: Route=[0, 49, 25, 36, 0], Distance=170.45, RemCap=430.0

Total vehicle waiting time = 0.00

Total customer waiting time = 20794.97

--------------------------------------------------

Ep 23/50 | Reward 3822.89 | Loss 322689198.38 | Dist 1085.92 | Vehl 5

Vehicle 0: Route=[0, 47, 13, 10, 28, 9, 11, 50, 29, 35, 18, 15, 14, 19, 21, 20, 31, 23, 1, 3, 4, 25, 2, 6, 7, 8, 34, 0], Distance=307.54, RemCap=15.0

Vehicle 1: Route=[0, 37, 27, 46, 12, 30, 42, 41, 33, 24, 39, 0], Distance=254.87, RemCap=301.0

Vehicle 2: Route=[0, 17, 22, 26, 48, 0], Distance=181.54, RemCap=420.0

Vehicle 3: Route=[0, 5, 44, 43, 49, 16, 32, 0], Distance=196.44, RemCap=401.0

Vehicle 4: Route=[0, 45, 38, 36, 40, 0], Distance=145.52, RemCap=403.0

Total vehicle waiting time = 0.00

Total customer waiting time = 24904.06

--------------------------------------------------

Ep 24/50 | Reward 4040.87 | Loss 384478278.42 | Dist 1050.44 | Vehl 5

Vehicle 0: Route=[0, 44, 17, 16, 15, 18, 30, 9, 28, 12, 10, 11, 8, 27, 7, 45, 2, 34, 5, 26, 3, 1, 22, 23, 20, 21, 40, 0], Distance=314.28, RemCap=25.0

Vehicle 1: Route=[0, 49, 14, 29, 32, 50, 31, 24, 33, 0], Distance=189.09, RemCap=358.0

Vehicle 2: Route=[0, 41, 19, 43, 47, 48, 4, 39, 0], Distance=196.79, RemCap=317.0

Vehicle 3: Route=[0, 38, 13, 46, 6, 25, 36, 37, 0], Distance=248.12, RemCap=381.0

Vehicle 4: Route=[0, 35, 42, 0], Distance=102.16, RemCap=459.0

Total vehicle waiting time = 0.00

Total customer waiting time = 23219.07

--------------------------------------------------

Ep 25/50 | Reward 4132.48 | Loss 388089369.05 | Dist 914.22 | Vehl 5

Vehicle 0: Route=[0, 29, 19, 16, 14, 18, 30, 11, 10, 9, 28, 12, 49, 46, 8, 27, 7, 6, 5, 26, 25, 1, 23, 36, 20, 37, 0], Distance=290.10, RemCap=2.0

Vehicle 1: Route=[0, 45, 2, 3, 33, 40, 17, 15, 32, 47, 0], Distance=175.53, RemCap=334.0

Vehicle 2: Route=[0, 13, 38, 41, 21, 31, 22, 24, 4, 39, 0], Distance=200.16, RemCap=360.0

Vehicle 3: Route=[0, 50, 42, 0], Distance=82.09, RemCap=460.0

Vehicle 4: Route=[0, 34, 48, 43, 35, 44, 0], Distance=166.34, RemCap=384.0

Total vehicle waiting time = 0.00

Total customer waiting time = 22517.25

--------------------------------------------------

Ep 26/50 | Reward 4329.25 | Loss 454118829.04 | Dist 947.05 | Vehl 5

Vehicle 0: Route=[0, 19, 17, 16, 14, 15, 38, 18, 30, 9, 28, 12, 49, 10, 11, 13, 6, 7, 8, 27, 2, 39, 25, 4, 1, 31, 21, 33, 0], Distance=276.50, RemCap=11.0

Vehicle 1: Route=[0, 5, 26, 23, 36, 40, 44, 47, 0], Distance=131.45, RemCap=355.0

Vehicle 2: Route=[0, 48, 46, 3, 22, 29, 32, 42, 0], Distance=203.11, RemCap=356.0

Vehicle 3: Route=[0, 43, 35, 24, 34, 37, 0], Distance=178.98, RemCap=414.0

Vehicle 4: Route=[0, 45, 20, 50, 41, 0], Distance=157.00, RemCap=404.0

Total vehicle waiting time = 0.00

Total customer waiting time = 21412.56

--------------------------------------------------

Ep 27/50 | Reward 5258.95 | Loss 727384179.44 | Dist 980.61 | Vehl 5

Vehicle 0: Route=[0, 2, 1, 3, 4, 25, 26, 5, 7, 27, 8, 6, 11, 10, 12, 9, 30, 29, 19, 18, 15, 14, 16, 17, 21, 20, 23, 31, 0], Distance=293.55, RemCap=1.0

Vehicle 1: Route=[0, 45, 40, 50, 35, 28, 49, 13, 43, 44, 0], Distance=182.62, RemCap=338.0

Vehicle 2: Route=[0, 24, 33, 42, 47, 46, 34, 39, 0], Distance=216.07, RemCap=333.0

Vehicle 3: Route=[0, 37, 48, 38, 22, 36, 0], Distance=191.57, RemCap=391.0

Vehicle 4: Route=[0, 32, 41, 0], Distance=96.80, RemCap=477.0

Total vehicle waiting time = 0.00

Total customer waiting time = 17846.42

--------------------------------------------------

Ep 28/50 | Reward 4668.16 | Loss 548389391.48 | Dist 1004.49 | Vehl 5

Vehicle 0: Route=[0, 45, 6, 46, 8, 27, 7, 5, 26, 4, 1, 22, 24, 23, 36, 21, 16, 14, 15, 18, 17, 29, 30, 9, 28, 10, 13, 11, 50, 0], Distance=294.79, RemCap=15.0

Vehicle 1: Route=[0, 48, 12, 38, 19, 20, 31, 33, 3, 37, 0], Distance=241.28, RemCap=311.0

Vehicle 2: Route=[0, 47, 34, 39, 0], Distance=95.24, RemCap=414.0

Vehicle 3: Route=[0, 2, 40, 35, 42, 43, 44, 0], Distance=172.87, RemCap=363.0

Vehicle 4: Route=[0, 25, 49, 41, 32, 0], Distance=200.32, RemCap=437.0

Total vehicle waiting time = 0.00

Total customer waiting time = 20692.89

--------------------------------------------------

Ep 29/50 | Reward 4746.94 | Loss 540945103.34 | Dist 948.36 | Vehl 5

Vehicle 0: Route=[0, 45, 6, 8, 27, 7, 5, 26, 25, 4, 1, 24, 33, 21, 17, 16, 14, 15, 38, 18, 19, 29, 30, 9, 28, 12, 10, 13, 11, 50, 0], Distance=296.66, RemCap=15.0

Vehicle 1: Route=[0, 32, 42, 47, 2, 39, 3, 23, 22, 40, 20, 36, 0], Distance=194.58, RemCap=240.0

Vehicle 2: Route=[0, 35, 37, 0], Distance=115.60, RemCap=471.0

Vehicle 3: Route=[0, 34, 48, 49, 41, 0], Distance=195.05, RemCap=380.0

Vehicle 4: Route=[0, 31, 46, 43, 44, 0], Distance=146.46, RemCap=434.0

Total vehicle waiting time = 0.00

Total customer waiting time = 20197.37

--------------------------------------------------

Ep 30/50 | Reward 4709.76 | Loss 543788738.73 | Dist 1022.92 | Vehl 5

Vehicle 0: Route=[0, 20, 23, 24, 1, 3, 4, 26, 2, 5, 7, 27, 8, 45, 11, 10, 12, 28, 9, 32, 29, 19, 18, 17, 16, 14, 41, 0], Distance=311.97, RemCap=10.0

Vehicle 1: Route=[0, 44, 30, 21, 36, 25, 37, 48, 46, 34, 0], Distance=219.79, RemCap=303.0

Vehicle 2: Route=[0, 22, 43, 13, 49, 35, 38, 0], Distance=183.33, RemCap=413.0

Vehicle 3: Route=[0, 31, 40, 15, 42, 47, 0], Distance=147.93, RemCap=403.0

Vehicle 4: Route=[0, 6, 39, 50, 33, 0], Distance=159.89, RemCap=411.0

Total vehicle waiting time = 0.00

Total customer waiting time = 19355.41

--------------------------------------------------

Ep 31/50 | Reward 4642.28 | Loss 526181172.70 | Dist 965.12 | Vehl 5

Vehicle 0: Route=[0, 43, 11, 10, 12, 28, 9, 30, 29, 19, 17, 15, 16, 21, 20, 23, 1, 3, 4, 25, 2, 5, 27, 8, 7, 6, 45, 0], Distance=266.07, RemCap=7.0

Vehicle 1: Route=[0, 48, 13, 44, 32, 18, 14, 41, 36, 24, 22, 33, 0], Distance=209.97, RemCap=298.0

Vehicle 2: Route=[0, 37, 34, 26, 31, 42, 35, 38, 0], Distance=209.55, RemCap=380.0

Vehicle 3: Route=[0, 40, 50, 47, 46, 0], Distance=147.67, RemCap=425.0

Vehicle 4: Route=[0, 49, 39, 0], Distance=131.86, RemCap=430.0

Total vehicle waiting time = 0.00

Total customer waiting time = 21023.92

--------------------------------------------------

Ep 32/50 | Reward 4136.62 | Loss 400256381.09 | Dist 940.12 | Vehl 5

Vehicle 0: Route=[0, 10, 12, 28, 9, 30, 18, 15, 14, 41, 17, 19, 21, 20, 31, 1, 3, 4, 26, 2, 5, 27, 8, 46, 7, 6, 45, 0], Distance=272.52, RemCap=4.0

Vehicle 1: Route=[0, 16, 38, 32, 43, 13, 34, 39, 25, 22, 36, 0], Distance=235.90, RemCap=330.0

Vehicle 2: Route=[0, 37, 48, 49, 11, 44, 29, 23, 33, 0], Distance=197.03, RemCap=312.0

Vehicle 3: Route=[0, 24, 35, 42, 50, 0], Distance=152.91, RemCap=440.0

Vehicle 4: Route=[0, 40, 47, 0], Distance=81.75, RemCap=454.0

Total vehicle waiting time = 0.00

Total customer waiting time = 23241.30

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Ep 33/50 | Reward 4365.90 | Loss 451497585.82 | Dist 1030.37 | Vehl 5

Vehicle 0: Route=[0, 47, 44, 30, 11, 13, 10, 28, 12, 49, 8, 7, 6, 5, 2, 26, 25, 4, 1, 22, 21, 29, 19, 16, 41, 14, 15, 38, 0], Distance=302.75, RemCap=16.0

Vehicle 1: Route=[0, 42, 48, 27, 3, 24, 23, 36, 33, 0], Distance=197.23, RemCap=329.0

Vehicle 2: Route=[0, 43, 50, 18, 17, 40, 37, 0], Distance=156.58, RemCap=395.0

Vehicle 3: Route=[0, 20, 45, 9, 46, 34, 0], Distance=217.15, RemCap=363.0

Vehicle 4: Route=[0, 32, 35, 31, 39, 0], Distance=156.66, RemCap=437.0

Total vehicle waiting time = 0.00

Total customer waiting time = 21610.28

--------------------------------------------------

Ep 34/50 | Reward 4095.60 | Loss 367731900.37 | Dist 928.67 | Vehl 5

Vehicle 0: Route=[0, 33, 21, 20, 23, 3, 4, 25, 26, 34, 6, 7, 27, 8, 46, 13, 11, 10, 12, 28, 9, 30, 35, 14, 15, 18, 19, 29, 32, 0], Distance=277.44, RemCap=8.0

Vehicle 1: Route=[0, 31, 36, 24, 1, 5, 37, 48, 49, 16, 47, 0], Distance=252.26, RemCap=295.0

Vehicle 2: Route=[0, 43, 38, 41, 17, 2, 45, 0], Distance=158.59, RemCap=376.0

Vehicle 3: Route=[0, 22, 50, 42, 0], Distance=121.50, RemCap=450.0

Vehicle 4: Route=[0, 39, 40, 44, 0], Distance=118.88, RemCap=411.0

Total vehicle waiting time = 0.00

Total customer waiting time = 24330.37

--------------------------------------------------

Ep 35/50 | Reward 4308.23 | Loss 445766047.35 | Dist 1030.76 | Vehl 5

Vehicle 0: Route=[0, 24, 23, 36, 20, 21, 19, 17, 16, 15, 18, 29, 32, 30, 42, 9, 28, 11, 13, 6, 7, 27, 5, 4, 3, 2, 45, 47, 0], Distance=301.34, RemCap=14.0

Vehicle 1: Route=[0, 35, 12, 48, 8, 1, 22, 31, 40, 0], Distance=235.20, RemCap=350.0

Vehicle 2: Route=[0, 25, 26, 37, 43, 10, 49, 14, 50, 0], Distance=204.81, RemCap=335.0

Vehicle 3: Route=[0, 46, 38, 41, 33, 0], Distance=183.14, RemCap=430.0

Vehicle 4: Route=[0, 44, 34, 39, 0], Distance=106.27, RemCap=411.0

Total vehicle waiting time = 0.00

Total customer waiting time = 21827.42

--------------------------------------------------

Ep 36/50 | Reward 4872.76 | Loss 582293376.49 | Dist 967.97 | Vehl 5

Vehicle 0: Route=[0, 6, 7, 27, 8, 13, 49, 12, 28, 10, 11, 30, 29, 18, 38, 14, 16, 17, 21, 40, 24, 23, 1, 3, 4, 25, 26, 5, 39, 0], Distance=282.28, RemCap=1.0

Vehicle 1: Route=[0, 42, 35, 32, 2, 22, 36, 31, 0], Distance=194.76, RemCap=376.0

Vehicle 2: Route=[0, 45, 46, 47, 19, 15, 41, 0], Distance=162.67, RemCap=377.0

Vehicle 3: Route=[0, 43, 9, 33, 34, 0], Distance=173.30, RemCap=413.0

Vehicle 4: Route=[0, 20, 50, 44, 48, 37, 0], Distance=154.95, RemCap=373.0

Total vehicle waiting time = 0.00

Total customer waiting time = 19051.00

--------------------------------------------------

Ep 37/50 | Reward 4244.33 | Loss 425095391.29 | Dist 1044.74 | Vehl 5

Vehicle 0: Route=[0, 47, 44, 11, 12, 28, 30, 42, 15, 14, 16, 18, 29, 50, 21, 40, 24, 23, 3, 4, 25, 26, 2, 5, 6, 7, 27, 34, 0], Distance=309.24, RemCap=46.0

Vehicle 1: Route=[0, 43, 32, 19, 9, 46, 8, 1, 39, 0], Distance=219.43, RemCap=330.0

Vehicle 2: Route=[0, 22, 36, 20, 41, 35, 13, 48, 37, 0], Distance=205.95, RemCap=321.0

Vehicle 3: Route=[0, 31, 10, 49, 38, 0], Distance=185.53, RemCap=410.0

Vehicle 4: Route=[0, 45, 17, 33, 0], Distance=124.59, RemCap=433.0

Total vehicle waiting time = 0.00

Total customer waiting time = 21816.91

--------------------------------------------------

Ep 38/50 | Reward 4746.52 | Loss 549334304.49 | Dist 935.37 | Vehl 5

Vehicle 0: Route=[0, 46, 8, 5, 26, 4, 1, 2, 22, 23, 21, 19, 17, 16, 41, 14, 15, 18, 29, 30, 11, 13, 10, 12, 28, 9, 42, 35, 0], Distance=331.87, RemCap=0.0

Vehicle 1: Route=[0, 48, 6, 7, 34, 39, 3, 20, 31, 50, 38, 0], Distance=212.90, RemCap=281.0

Vehicle 2: Route=[0, 36, 27, 45, 0], Distance=124.85, RemCap=433.0

Vehicle 3: Route=[0, 47, 49, 44, 33, 24, 40, 0], Distance=141.98, RemCap=375.0

Vehicle 4: Route=[0, 43, 32, 25, 37, 0], Distance=123.77, RemCap=451.0

Total vehicle waiting time = 0.00

Total customer waiting time = 20517.57

--------------------------------------------------

Ep 39/50 | Reward 4322.55 | Loss 430710972.60 | Dist 967.88 | Vehl 5

Vehicle 0: Route=[0, 20, 36, 23, 22, 1, 3, 4, 26, 2, 5, 7, 27, 8, 49, 12, 28, 10, 13, 11, 30, 32, 29, 19, 14, 15, 38, 0], Distance=287.85, RemCap=8.0

Vehicle 1: Route=[0, 17, 35, 9, 47, 48, 46, 37, 25, 24, 21, 40, 33, 0], Distance=263.50, RemCap=275.0

Vehicle 2: Route=[0, 6, 42, 18, 44, 0], Distance=151.49, RemCap=420.0

Vehicle 3: Route=[0, 39, 31, 50, 16, 41, 0], Distance=169.33, RemCap=411.0

Vehicle 4: Route=[0, 43, 45, 34, 0], Distance=95.70, RemCap=426.0

Total vehicle waiting time = 0.00

Total customer waiting time = 22836.02

--------------------------------------------------

Ep 40/50 | Reward 3424.13 | Loss 226388684.09 | Dist 1017.05 | Vehl 5

Vehicle 0: Route=[0, 6, 7, 8, 27, 34, 2, 26, 39, 3, 23, 24, 22, 31, 20, 17, 16, 38, 19, 29, 30, 13, 10, 49, 0], Distance=276.67, RemCap=31.0

Vehicle 1: Route=[0, 37, 4, 36, 50, 18, 14, 35, 11, 12, 42, 0], Distance=243.31, RemCap=321.0

Vehicle 2: Route=[0, 46, 5, 25, 1, 33, 41, 15, 32, 47, 0], Distance=208.70, RemCap=361.0

Vehicle 3: Route=[0, 40, 45, 28, 9, 44, 0], Distance=148.22, RemCap=394.0

Vehicle 4: Route=[0, 21, 43, 48, 0], Distance=140.15, RemCap=433.0

Total vehicle waiting time = 181.66

Total customer waiting time = 27165.81

--------------------------------------------------

Ep 41/50 | Reward 4407.50 | Loss 439732603.68 | Dist 1069.65 | Vehl 5

Vehicle 0: Route=[0, 2, 1, 26, 5, 27, 8, 7, 6, 11, 10, 28, 9, 30, 43, 29, 18, 14, 16, 17, 19, 33, 22, 23, 20, 21, 31, 0], Distance=308.99, RemCap=4.0

Vehicle 1: Route=[0, 37, 34, 39, 25, 4, 36, 15, 49, 44, 0], Distance=229.50, RemCap=292.0

Vehicle 2: Route=[0, 48, 46, 13, 35, 32, 24, 40, 0], Distance=205.25, RemCap=377.0

Vehicle 3: Route=[0, 3, 45, 12, 50, 41, 0], Distance=211.92, RemCap=424.0

Vehicle 4: Route=[0, 47, 38, 42, 0], Distance=113.99, RemCap=443.0

Total vehicle waiting time = 0.00

Total customer waiting time = 21448.27

--------------------------------------------------

Ep 42/50 | Reward 4250.76 | Loss 431724943.45 | Dist 875.72 | Vehl 5

Vehicle 0: Route=[0, 22, 31, 40, 21, 23, 1, 3, 25, 26, 39, 2, 7, 27, 8, 6, 13, 11, 10, 12, 28, 42, 30, 17, 16, 41, 14, 15, 18, 38, 0], Distance=292.10, RemCap=0.0

Vehicle 1: Route=[0, 20, 24, 4, 5, 37, 48, 9, 35, 19, 44, 47, 0], Distance=255.14, RemCap=256.0

Vehicle 2: Route=[0, 29, 32, 45, 46, 34, 0], Distance=148.75, RemCap=390.0

Vehicle 3: Route=[0, 49, 50, 36, 33, 0], Distance=145.38, RemCap=411.0

Vehicle 4: Route=[0, 43, 0], Distance=34.36, RemCap=483.0

Total vehicle waiting time = 0.00

Total customer waiting time = 25362.49

--------------------------------------------------

Ep 43/50 | Reward 4245.43 | Loss 430413535.31 | Dist 880.22 | Vehl 5

Vehicle 0: Route=[0, 45, 2, 5, 26, 3, 1, 22, 23, 20, 21, 19, 17, 16, 41, 15, 18, 29, 9, 28, 10, 11, 6, 27, 8, 48, 0], Distance=286.31, RemCap=3.0

Vehicle 1: Route=[0, 37, 34, 7, 13, 12, 30, 42, 35, 50, 43, 44, 0], Distance=208.09, RemCap=316.0

Vehicle 2: Route=[0, 39, 25, 4, 14, 38, 32, 0], Distance=161.46, RemCap=387.0

Vehicle 3: Route=[0, 49, 33, 40, 31, 24, 36, 0], Distance=148.15, RemCap=370.0

Vehicle 4: Route=[0, 46, 47, 0], Distance=76.21, RemCap=464.0

Total vehicle waiting time = 0.00

Total customer waiting time = 22310.53

--------------------------------------------------

Ep 44/50 | Reward 4180.11 | Loss 397042857.57 | Dist 967.28 | Vehl 5

Vehicle 0: Route=[0, 11, 13, 12, 28, 9, 42, 30, 32, 50, 18, 38, 15, 17, 21, 31, 22, 23, 1, 3, 25, 26, 2, 5, 6, 7, 8, 27, 34, 0], Distance=309.35, RemCap=88.0

Vehicle 1: Route=[0, 48, 46, 4, 33, 20, 19, 14, 10, 44, 0], Distance=254.54, RemCap=241.0

Vehicle 2: Route=[0, 49, 35, 16, 29, 40, 24, 37, 0], Distance=196.48, RemCap=361.0

Vehicle 3: Route=[0, 47, 43, 41, 0], Distance=106.97, RemCap=447.0

Vehicle 4: Route=[0, 36, 39, 45, 0], Distance=99.94, RemCap=403.0

Total vehicle waiting time = 0.00

Total customer waiting time = 23472.27

--------------------------------------------------

Ep 45/50 | Reward 5097.57 | Loss 694894460.11 | Dist 926.97 | Vehl 5

Vehicle 0: Route=[0, 50, 29, 19, 16, 14, 15, 18, 35, 30, 9, 28, 12, 10, 11, 13, 8, 27, 7, 2, 24, 21, 23, 1, 3, 25, 26, 5, 34, 0], Distance=316.21, RemCap=32.0

Vehicle 1: Route=[0, 6, 46, 44, 42, 38, 33, 22, 4, 39, 0], Distance=235.96, RemCap=310.0

Vehicle 2: Route=[0, 48, 49, 32, 17, 40, 36, 0], Distance=200.54, RemCap=347.0

Vehicle 3: Route=[0, 31, 20, 41, 43, 47, 0], Distance=143.99, RemCap=397.0

Vehicle 4: Route=[0, 45, 37, 0], Distance=30.27, RemCap=454.0

Total vehicle waiting time = 0.00

Total customer waiting time = 19347.82

--------------------------------------------------

Ep 46/50 | Reward 3670.40 | Loss 285502726.26 | Dist 1065.34 | Vehl 5

Vehicle 0: Route=[0, 45, 44, 29, 18, 38, 15, 14, 35, 30, 9, 28, 10, 11, 8, 27, 7, 5, 26, 25, 3, 1, 2, 23, 20, 36, 0], Distance=297.59, RemCap=25.0

Vehicle 1: Route=[0, 21, 31, 24, 4, 37, 46, 49, 12, 13, 32, 42, 0], Distance=253.93, RemCap=327.0

Vehicle 2: Route=[0, 34, 6, 43, 50, 19, 33, 0], Distance=187.63, RemCap=374.0

Vehicle 3: Route=[0, 48, 47, 16, 41, 22, 39, 0], Distance=209.97, RemCap=364.0

Vehicle 4: Route=[0, 17, 40, 0], Distance=116.22, RemCap=450.0

Total vehicle waiting time = 0.00

Total customer waiting time = 25270.07

--------------------------------------------------

Ep 47/50 | Reward 4383.30 | Loss 470541130.41 | Dist 1014.99 | Vehl 5

Vehicle 0: Route=[0, 21, 36, 23, 24, 22, 1, 3, 26, 5, 7, 8, 46, 49, 12, 28, 9, 10, 13, 11, 30, 18, 15, 14, 16, 17, 50, 44, 0], Distance=281.65, RemCap=53.0

Vehicle 1: Route=[0, 2, 39, 25, 4, 27, 47, 38, 19, 40, 0], Distance=221.63, RemCap=304.0

Vehicle 2: Route=[0, 34, 6, 29, 35, 41, 31, 0], Distance=208.28, RemCap=380.0

Vehicle 3: Route=[0, 45, 33, 43, 32, 0], Distance=117.75, RemCap=433.0

Vehicle 4: Route=[0, 42, 20, 37, 48, 0], Distance=185.68, RemCap=370.0

Total vehicle waiting time = 0.00

Total customer waiting time = 21433.89

--------------------------------------------------

Ep 48/50 | Reward 4482.80 | Loss 470808474.75 | Dist 952.43 | Vehl 5

Vehicle 0: Route=[0, 32, 29, 19, 17, 16, 14, 15, 38, 18, 30, 11, 10, 9, 12, 49, 13, 43, 8, 7, 6, 5, 2, 26, 25, 3, 1, 21, 33, 0], Distance=291.87, RemCap=11.0

Vehicle 1: Route=[0, 28, 46, 27, 45, 36, 4, 39, 34, 0], Distance=232.39, RemCap=313.0

Vehicle 2: Route=[0, 50, 35, 41, 24, 37, 0], Distance=154.39, RemCap=432.0

Vehicle 3: Route=[0, 23, 20, 40, 42, 47, 0], Distance=138.65, RemCap=363.0

Vehicle 4: Route=[0, 48, 44, 22, 31, 0], Distance=135.13, RemCap=421.0

Total vehicle waiting time = 0.00

Total customer waiting time = 21666.82

--------------------------------------------------

Ep 49/50 | Reward 4547.64 | Loss 484854950.50 | Dist 1032.02 | Vehl 5

Vehicle 0: Route=[0, 21, 23, 3, 4, 25, 26, 2, 5, 6, 7, 27, 8, 13, 10, 9, 42, 18, 15, 14, 17, 19, 29, 32, 30, 11, 47, 44, 0], Distance=312.91, RemCap=12.0

Vehicle 1: Route=[0, 50, 41, 16, 43, 28, 12, 46, 39, 1, 22, 36, 0], Distance=262.44, RemCap=304.0

Vehicle 2: Route=[0, 38, 40, 33, 37, 34, 0], Distance=176.53, RemCap=391.0

Vehicle 3: Route=[0, 48, 49, 35, 24, 31, 0], Distance=197.13, RemCap=400.0

Vehicle 4: Route=[0, 20, 45, 0], Distance=83.01, RemCap=433.0

Total vehicle waiting time = 0.00

Total customer waiting time = 21274.13

--------------------------------------------------

Ep 50/50 | Reward 4568.59 | Loss 496920841.58 | Dist 968.40 | Vehl 5

Vehicle 0: Route=[0, 40, 20, 23, 3, 4, 26, 2, 5, 6, 7, 27, 8, 46, 13, 12, 28, 9, 10, 11, 30, 18, 38, 14, 16, 17, 19, 32, 0], Distance=280.09, RemCap=8.0

Vehicle 1: Route=[0, 48, 49, 35, 29, 50, 21, 1, 25, 39, 0], Distance=234.79, RemCap=301.0

Vehicle 2: Route=[0, 34, 43, 15, 24, 36, 31, 0], Distance=208.86, RemCap=393.0

Vehicle 3: Route=[0, 45, 44, 42, 47, 0], Distance=86.86, RemCap=407.0

Vehicle 4: Route=[0, 37, 41, 22, 33, 0], Distance=157.80, RemCap=431.0

Total vehicle waiting time = 0.00

Total customer waiting time = 21464.82

--------------------------------------------------

Saved results to F:/KLTN/code/output50\h50d20\_results.docx

=== Processing h50d30.csv ===

--- Training with max\_vehicles = 3 ---

Ep 1/50 | Reward 4669.30 | Loss 579083494.72 | Dist 804.83 | Vehl 3

Vehicle 0: Route=[0, 34, 11, 13, 10, 12, 9, 18, 15, 14, 17, 19, 50, 20, 23, 1, 3, 4, 43, 5, 7, 8, 6, 2, 29, 0], Distance=309.50, RemCap=1.0

Vehicle 1: Route=[0, 35, 27, 47, 26, 30, 31, 16, 28, 22, 39, 44, 49, 33, 37, 45, 0], Distance=259.54, RemCap=222.0

Vehicle 2: Route=[0, 24, 36, 38, 42, 41, 48, 32, 25, 46, 40, 21, 0], Distance=235.79, RemCap=267.0

Total vehicle waiting time = 0.00

Total customer waiting time = 23015.05

--------------------------------------------------

Ep 2/50 | Reward 4126.51 | Loss 412349207.79 | Dist 799.76 | Vehl 3

Vehicle 0: Route=[0, 6, 36, 8, 7, 5, 4, 1, 2, 47, 23, 50, 19, 17, 16, 31, 14, 15, 28, 18, 9, 10, 11, 13, 33, 46, 34, 0], Distance=295.97, RemCap=3.0

Vehicle 1: Route=[0, 45, 30, 20, 3, 24, 27, 35, 38, 44, 42, 39, 32, 25, 0], Distance=278.07, RemCap=195.0

Vehicle 2: Route=[0, 49, 41, 12, 48, 37, 22, 40, 21, 26, 43, 29, 0], Distance=225.73, RemCap=292.0

Total vehicle waiting time = 0.00

Total customer waiting time = 26767.27

--------------------------------------------------

Ep 3/50 | Reward 4442.12 | Loss 501250069.04 | Dist 797.05 | Vehl 3

Vehicle 0: Route=[0, 45, 6, 8, 7, 5, 2, 4, 3, 1, 20, 30, 19, 17, 16, 14, 15, 18, 46, 33, 11, 9, 10, 13, 41, 0], Distance=291.48, RemCap=2.0

Vehicle 1: Route=[0, 23, 26, 29, 24, 37, 34, 22, 32, 48, 12, 39, 49, 38, 0], Distance=251.24, RemCap=201.0

Vehicle 2: Route=[0, 47, 43, 27, 35, 36, 44, 42, 40, 25, 28, 31, 50, 21, 0], Distance=254.33, RemCap=287.0

Total vehicle waiting time = 0.00

Total customer waiting time = 26925.32

--------------------------------------------------

Ep 4/50 | Reward 4647.02 | Loss 578029356.47 | Dist 804.22 | Vehl 3

Vehicle 0: Route=[0, 37, 41, 11, 10, 9, 12, 13, 36, 8, 7, 6, 27, 2, 5, 4, 3, 1, 20, 40, 19, 17, 16, 14, 18, 28, 0], Distance=297.23, RemCap=6.0

Vehicle 1: Route=[0, 45, 34, 46, 22, 15, 25, 48, 33, 42, 49, 29, 47, 23, 26, 21, 0], Distance=261.50, RemCap=242.0

Vehicle 2: Route=[0, 30, 50, 31, 32, 39, 44, 38, 24, 43, 35, 0], Distance=245.48, RemCap=242.0

Total vehicle waiting time = 0.00

Total customer waiting time = 24997.01

--------------------------------------------------

Ep 5/50 | Reward 4821.30 | Loss 625995785.70 | Dist 808.16 | Vehl 3

Vehicle 0: Route=[0, 35, 33, 13, 11, 10, 12, 9, 18, 15, 14, 16, 17, 19, 40, 20, 1, 3, 4, 2, 5, 24, 6, 7, 8, 44, 42, 0], Distance=300.45, RemCap=2.0

Vehicle 1: Route=[0, 45, 34, 41, 39, 31, 30, 21, 26, 47, 29, 43, 38, 37, 0], Distance=263.34, RemCap=169.0

Vehicle 2: Route=[0, 48, 32, 46, 22, 25, 28, 50, 23, 27, 36, 49, 0], Distance=244.37, RemCap=319.0

Total vehicle waiting time = 0.00

Total customer waiting time = 24121.59

--------------------------------------------------

Ep 6/50 | Reward 5034.95 | Loss 679075571.61 | Dist 772.63 | Vehl 3

Vehicle 0: Route=[0, 42, 49, 8, 7, 6, 5, 2, 4, 3, 1, 20, 16, 14, 15, 18, 17, 19, 22, 34, 33, 13, 11, 10, 9, 12, 39, 0], Distance=294.92, RemCap=6.0

Vehicle 1: Route=[0, 37, 46, 32, 41, 36, 43, 29, 21, 26, 50, 30, 23, 31, 28, 25, 0], Distance=286.37, RemCap=165.0

Vehicle 2: Route=[0, 45, 40, 48, 35, 47, 27, 24, 38, 44, 0], Distance=191.35, RemCap=319.0

Total vehicle waiting time = 0.00

Total customer waiting time = 23662.15

--------------------------------------------------

Ep 7/50 | Reward 5188.65 | Loss 776073486.65 | Dist 808.55 | Vehl 3

Vehicle 0: Route=[0, 42, 44, 36, 8, 7, 6, 24, 5, 2, 4, 3, 1, 20, 45, 19, 17, 16, 14, 15, 28, 18, 11, 13, 12, 9, 10, 48, 0], Distance=307.62, RemCap=2.0

Vehicle 1: Route=[0, 23, 21, 30, 26, 27, 38, 41, 33, 37, 34, 46, 22, 25, 0], Distance=232.85, RemCap=228.0

Vehicle 2: Route=[0, 35, 49, 43, 29, 47, 50, 40, 31, 32, 39, 0], Distance=268.08, RemCap=260.0

Total vehicle waiting time = 0.00

Total customer waiting time = 20588.38

--------------------------------------------------

Ep 8/50 | Reward 5074.89 | Loss 714744687.37 | Dist 760.64 | Vehl 3

Vehicle 0: Route=[0, 23, 50, 20, 1, 3, 4, 2, 5, 6, 7, 8, 44, 49, 13, 11, 10, 12, 9, 32, 18, 15, 14, 16, 17, 19, 40, 0], Distance=276.35, RemCap=0.0

Vehicle 1: Route=[0, 37, 33, 41, 39, 46, 22, 28, 47, 43, 24, 27, 36, 38, 0], Distance=247.94, RemCap=214.0

Vehicle 2: Route=[0, 45, 34, 31, 25, 48, 42, 35, 29, 26, 30, 21, 0], Distance=236.35, RemCap=276.0

Total vehicle waiting time = 0.00

Total customer waiting time = 20781.43

--------------------------------------------------

Ep 9/50 | Reward 4712.73 | Loss 587895271.48 | Dist 751.06 | Vehl 3

Vehicle 0: Route=[0, 35, 45, 50, 20, 1, 3, 4, 2, 5, 6, 7, 8, 49, 13, 12, 9, 10, 11, 22, 19, 17, 16, 14, 15, 25, 18, 28, 0], Distance=313.93, RemCap=7.0

Vehicle 1: Route=[0, 40, 33, 32, 39, 38, 24, 43, 29, 47, 23, 30, 26, 21, 0], Distance=235.79, RemCap=170.0

Vehicle 2: Route=[0, 31, 46, 48, 41, 34, 37, 42, 44, 36, 27, 0], Distance=201.35, RemCap=313.0

Total vehicle waiting time = 0.00

Total customer waiting time = 24057.66

--------------------------------------------------

Ep 10/50 | Reward 4632.37 | Loss 564751404.11 | Dist 793.39 | Vehl 3

Vehicle 0: Route=[0, 45, 19, 17, 16, 14, 15, 18, 46, 11, 10, 9, 12, 13, 42, 44, 36, 8, 7, 6, 24, 5, 2, 4, 3, 20, 21, 0], Distance=287.24, RemCap=14.0

Vehicle 1: Route=[0, 37, 34, 33, 41, 48, 39, 32, 25, 40, 30, 47, 1, 43, 38, 35, 27, 0], Distance=269.02, RemCap=139.0

Vehicle 2: Route=[0, 29, 49, 22, 28, 31, 23, 50, 26, 0], Distance=237.12, RemCap=337.0

Total vehicle waiting time = 0.00

Total customer waiting time = 24380.99

--------------------------------------------------

Ep 11/50 | Reward 4413.84 | Loss 493780552.18 | Dist 780.28 | Vehl 3

Vehicle 0: Route=[0, 37, 42, 13, 11, 48, 10, 12, 9, 25, 18, 15, 14, 16, 17, 19, 20, 47, 2, 1, 3, 4, 5, 6, 7, 8, 36, 44, 0], Distance=297.11, RemCap=6.0

Vehicle 1: Route=[0, 43, 35, 33, 41, 39, 46, 22, 40, 31, 23, 30, 26, 21, 0], Distance=248.83, RemCap=226.0

Vehicle 2: Route=[0, 45, 34, 32, 28, 50, 29, 24, 38, 49, 27, 0], Distance=234.33, RemCap=258.0

Total vehicle waiting time = 0.00

Total customer waiting time = 24416.53

--------------------------------------------------

Ep 12/50 | Reward 4470.21 | Loss 530643720.22 | Dist 780.66 | Vehl 3

Vehicle 0: Route=[0, 20, 47, 2, 1, 3, 4, 29, 5, 24, 7, 6, 13, 11, 10, 12, 9, 40, 19, 17, 16, 18, 15, 14, 31, 0], Distance=301.76, RemCap=8.0

Vehicle 1: Route=[0, 45, 37, 33, 46, 25, 32, 48, 42, 49, 44, 8, 36, 38, 27, 23, 26, 30, 0], Distance=244.01, RemCap=161.0

Vehicle 2: Route=[0, 43, 35, 39, 41, 34, 22, 28, 50, 21, 0], Distance=234.89, RemCap=321.0

Total vehicle waiting time = 0.00

Total customer waiting time = 24741.80

--------------------------------------------------

Ep 13/50 | Reward 4292.10 | Loss 468160237.54 | Dist 814.53 | Vehl 3

Vehicle 0: Route=[0, 37, 13, 11, 10, 12, 9, 18, 28, 15, 14, 31, 16, 19, 23, 30, 20, 1, 3, 4, 5, 2, 27, 6, 7, 8, 44, 0], Distance=285.83, RemCap=5.0

Vehicle 1: Route=[0, 45, 21, 47, 29, 43, 35, 36, 42, 41, 32, 17, 22, 40, 33, 0], Distance=275.61, RemCap=212.0

Vehicle 2: Route=[0, 50, 26, 24, 38, 49, 39, 48, 34, 46, 25, 0], Distance=253.09, RemCap=273.0

Total vehicle waiting time = 0.00

Total customer waiting time = 26045.41

--------------------------------------------------

Ep 14/50 | Reward 4585.31 | Loss 558493204.75 | Dist 779.82 | Vehl 3

Vehicle 0: Route=[0, 37, 33, 11, 48, 10, 9, 12, 13, 42, 49, 44, 8, 7, 5, 2, 4, 3, 1, 20, 19, 17, 16, 14, 15, 18, 40, 34, 0], Distance=289.01, RemCap=14.0

Vehicle 1: Route=[0, 27, 6, 38, 36, 24, 21, 30, 23, 45, 22, 28, 32, 0], Distance=244.16, RemCap=254.0

Vehicle 2: Route=[0, 47, 29, 43, 35, 41, 39, 46, 25, 31, 50, 26, 0], Distance=246.65, RemCap=222.0

Total vehicle waiting time = 0.00

Total customer waiting time = 25009.95

--------------------------------------------------

Ep 15/50 | Reward 4149.07 | Loss 414528938.06 | Dist 787.94 | Vehl 3

Vehicle 0: Route=[0, 34, 11, 41, 13, 10, 39, 12, 9, 18, 15, 14, 16, 19, 20, 1, 3, 4, 2, 43, 5, 6, 7, 8, 36, 0], Distance=275.34, RemCap=1.0

Vehicle 1: Route=[0, 30, 21, 29, 44, 49, 37, 33, 22, 17, 31, 28, 46, 48, 32, 0], Distance=287.18, RemCap=245.0

Vehicle 2: Route=[0, 45, 40, 25, 50, 26, 23, 47, 35, 27, 24, 38, 42, 0], Distance=225.43, RemCap=244.0

Total vehicle waiting time = 0.00

Total customer waiting time = 27845.69

--------------------------------------------------

Ep 16/50 | Reward 4746.23 | Loss 612006523.46 | Dist 787.01 | Vehl 3

Vehicle 0: Route=[0, 22, 19, 17, 16, 14, 15, 18, 9, 12, 10, 48, 11, 13, 49, 8, 7, 6, 5, 2, 4, 3, 1, 20, 23, 47, 27, 42, 0], Distance=317.63, RemCap=0.0

Vehicle 1: Route=[0, 45, 31, 28, 25, 46, 34, 37, 44, 38, 43, 29, 30, 50, 26, 0], Distance=248.59, RemCap=204.0

Vehicle 2: Route=[0, 35, 24, 36, 33, 41, 39, 32, 40, 21, 0], Distance=220.80, RemCap=286.0

Total vehicle waiting time = 0.00

Total customer waiting time = 22799.60

--------------------------------------------------

Ep 17/50 | Reward 4324.01 | Loss 474774208.39 | Dist 797.03 | Vehl 3

Vehicle 0: Route=[0, 35, 6, 7, 8, 24, 5, 4, 3, 1, 2, 47, 45, 11, 13, 12, 9, 25, 18, 15, 14, 31, 16, 17, 19, 20, 50, 0], Distance=311.68, RemCap=7.0

Vehicle 1: Route=[0, 37, 33, 46, 32, 48, 10, 39, 42, 44, 36, 23, 30, 28, 0], Distance=263.96, RemCap=233.0

Vehicle 2: Route=[0, 27, 43, 29, 26, 21, 40, 22, 41, 49, 38, 34, 0], Distance=221.40, RemCap=250.0

Total vehicle waiting time = 0.00

Total customer waiting time = 25504.68

--------------------------------------------------

Ep 18/50 | Reward 4522.79 | Loss 531257986.13 | Dist 725.15 | Vehl 3

Vehicle 0: Route=[0, 37, 13, 11, 10, 12, 9, 18, 14, 16, 17, 19, 20, 21, 1, 3, 4, 29, 5, 24, 6, 7, 8, 44, 38, 0], Distance=273.15, RemCap=4.0

Vehicle 1: Route=[0, 42, 43, 47, 26, 50, 30, 23, 45, 40, 22, 15, 25, 46, 33, 0], Distance=234.48, RemCap=262.0

Vehicle 2: Route=[0, 35, 27, 2, 36, 49, 41, 48, 39, 32, 28, 31, 34, 0], Distance=217.52, RemCap=224.0

Total vehicle waiting time = 0.00

Total customer waiting time = 24108.09

--------------------------------------------------

Ep 19/50 | Reward 4043.55 | Loss 400943080.41 | Dist 801.01 | Vehl 3

Vehicle 0: Route=[0, 47, 1, 3, 2, 5, 24, 6, 7, 8, 44, 12, 9, 10, 11, 34, 19, 17, 15, 14, 16, 20, 26, 30, 0], Distance=291.78, RemCap=8.0

Vehicle 1: Route=[0, 45, 46, 22, 31, 23, 21, 29, 43, 27, 42, 13, 49, 38, 36, 0], Distance=269.16, RemCap=232.0

Vehicle 2: Route=[0, 37, 35, 4, 50, 40, 18, 28, 25, 32, 39, 48, 41, 33, 0], Distance=240.07, RemCap=250.0

Total vehicle waiting time = 0.00

Total customer waiting time = 27678.99

--------------------------------------------------

Ep 20/50 | Reward 4745.27 | Loss 574771106.94 | Dist 769.21 | Vehl 3

Vehicle 0: Route=[0, 8, 7, 5, 2, 4, 3, 1, 26, 20, 50, 16, 14, 15, 18, 17, 19, 46, 34, 11, 13, 39, 12, 9, 10, 48, 0], Distance=289.30, RemCap=3.0

Vehicle 1: Route=[0, 35, 23, 30, 21, 43, 24, 6, 49, 42, 33, 22, 40, 31, 25, 0], Distance=252.75, RemCap=249.0

Vehicle 2: Route=[0, 37, 41, 32, 28, 45, 47, 29, 27, 36, 44, 38, 0], Distance=227.16, RemCap=238.0

Total vehicle waiting time = 0.00

Total customer waiting time = 23601.18

--------------------------------------------------

Ep 21/50 | Reward 4433.60 | Loss 495236741.87 | Dist 765.79 | Vehl 3

Vehicle 0: Route=[0, 20, 17, 16, 14, 15, 18, 19, 9, 12, 11, 41, 13, 38, 8, 7, 6, 24, 5, 2, 1, 3, 4, 29, 0], Distance=287.18, RemCap=0.0

Vehicle 1: Route=[0, 45, 40, 23, 21, 30, 26, 47, 43, 35, 42, 10, 48, 37, 34, 33, 0], Distance=214.25, RemCap=201.0

Vehicle 2: Route=[0, 27, 36, 44, 49, 39, 32, 25, 28, 31, 50, 46, 22, 0], Distance=264.36, RemCap=289.0

Total vehicle waiting time = 0.00

Total customer waiting time = 25081.14

--------------------------------------------------

Ep 22/50 | Reward 4369.49 | Loss 455111206.70 | Dist 768.46 | Vehl 3

Vehicle 0: Route=[0, 13, 11, 10, 12, 9, 32, 46, 18, 28, 15, 14, 16, 17, 19, 23, 20, 1, 3, 4, 2, 5, 6, 7, 44, 8, 36, 0], Distance=294.24, RemCap=1.0

Vehicle 1: Route=[0, 45, 37, 41, 48, 25, 31, 50, 26, 24, 49, 42, 27, 35, 0], Distance=263.05, RemCap=230.0

Vehicle 2: Route=[0, 40, 22, 34, 33, 39, 38, 43, 29, 47, 21, 30, 0], Distance=211.17, RemCap=259.0

Total vehicle waiting time = 0.00

Total customer waiting time = 25816.90

--------------------------------------------------

Ep 23/50 | Reward 4566.28 | Loss 529761374.79 | Dist 818.74 | Vehl 3

Vehicle 0: Route=[0, 45, 20, 26, 1, 3, 4, 2, 5, 6, 7, 8, 42, 33, 13, 11, 48, 10, 12, 9, 18, 28, 15, 14, 16, 17, 19, 40, 0], Distance=292.54, RemCap=6.0

Vehicle 1: Route=[0, 35, 24, 47, 21, 30, 50, 25, 22, 46, 39, 49, 44, 36, 0], Distance=267.56, RemCap=249.0

Vehicle 2: Route=[0, 37, 34, 41, 38, 27, 43, 29, 23, 31, 32, 0], Distance=258.63, RemCap=235.0

Total vehicle waiting time = 0.00

Total customer waiting time = 23903.58

--------------------------------------------------

Ep 24/50 | Reward 4990.58 | Loss 648352524.10 | Dist 774.67 | Vehl 3

Vehicle 0: Route=[0, 23, 20, 26, 1, 3, 4, 2, 5, 24, 8, 7, 6, 42, 13, 11, 10, 12, 9, 18, 15, 14, 16, 17, 19, 40, 22, 0], Distance=288.16, RemCap=3.0

Vehicle 1: Route=[0, 35, 34, 46, 31, 28, 32, 48, 41, 39, 44, 29, 47, 30, 50, 21, 0], Distance=289.68, RemCap=162.0

Vehicle 2: Route=[0, 27, 43, 36, 38, 49, 45, 37, 33, 25, 0], Distance=196.83, RemCap=325.0

Total vehicle waiting time = 0.00

Total customer waiting time = 21856.50

--------------------------------------------------

Ep 25/50 | Reward 4844.25 | Loss 598424193.30 | Dist 766.16 | Vehl 3

Vehicle 0: Route=[0, 40, 19, 17, 16, 14, 15, 18, 9, 12, 10, 11, 13, 38, 44, 8, 7, 6, 5, 2, 4, 3, 1, 26, 20, 50, 0], Distance=280.72, RemCap=1.0

Vehicle 1: Route=[0, 33, 48, 39, 41, 49, 27, 24, 43, 29, 47, 23, 31, 28, 25, 0], Distance=268.95, RemCap=191.0

Vehicle 2: Route=[0, 30, 21, 35, 36, 42, 37, 45, 34, 22, 46, 32, 0], Distance=216.48, RemCap=298.0

Total vehicle waiting time = 0.00

Total customer waiting time = 23840.77

--------------------------------------------------

Ep 26/50 | Reward 4796.43 | Loss 591737677.42 | Dist 817.14 | Vehl 3

Vehicle 0: Route=[0, 13, 41, 11, 10, 12, 9, 19, 18, 15, 14, 16, 17, 20, 2, 1, 3, 4, 29, 5, 7, 8, 6, 47, 0], Distance=297.75, RemCap=7.0

Vehicle 1: Route=[0, 35, 27, 43, 24, 36, 44, 22, 28, 31, 40, 23, 30, 50, 21, 0], Distance=250.06, RemCap=252.0

Vehicle 2: Route=[0, 38, 49, 42, 39, 48, 32, 46, 34, 33, 37, 45, 26, 25, 0], Distance=269.34, RemCap=231.0

Total vehicle waiting time = 0.00

Total customer waiting time = 23744.77

--------------------------------------------------

Ep 27/50 | Reward 4613.38 | Loss 557178008.31 | Dist 823.04 | Vehl 3

Vehicle 0: Route=[0, 20, 1, 3, 4, 2, 43, 5, 6, 7, 8, 37, 13, 41, 12, 9, 10, 48, 11, 46, 18, 15, 14, 16, 17, 19, 22, 0], Distance=296.29, RemCap=3.0

Vehicle 1: Route=[0, 27, 47, 29, 24, 36, 49, 42, 45, 32, 28, 40, 21, 0], Distance=266.76, RemCap=260.0

Vehicle 2: Route=[0, 35, 38, 44, 39, 33, 34, 23, 30, 26, 50, 25, 31, 0], Distance=260.00, RemCap=227.0

Total vehicle waiting time = 0.00

Total customer waiting time = 23828.54

--------------------------------------------------

Ep 28/50 | Reward 4513.65 | Loss 495222773.48 | Dist 828.38 | Vehl 3

Vehicle 0: Route=[0, 47, 1, 3, 4, 2, 43, 5, 6, 8, 44, 12, 9, 10, 13, 45, 19, 17, 28, 15, 14, 16, 50, 20, 30, 21, 0], Distance=305.00, RemCap=4.0

Vehicle 1: Route=[0, 35, 24, 7, 36, 49, 42, 39, 32, 46, 33, 23, 26, 40, 18, 25, 0], Distance=300.77, RemCap=203.0

Vehicle 2: Route=[0, 27, 29, 38, 37, 34, 22, 31, 48, 11, 41, 0], Distance=222.62, RemCap=283.0

Total vehicle waiting time = 0.00

Total customer waiting time = 24602.13

--------------------------------------------------

Ep 29/50 | Reward 4962.74 | Loss 663322283.86 | Dist 777.07 | Vehl 3

Vehicle 0: Route=[0, 6, 7, 8, 44, 38, 13, 11, 10, 12, 9, 18, 15, 14, 16, 17, 19, 50, 20, 1, 3, 4, 5, 2, 29, 0], Distance=285.31, RemCap=0.0

Vehicle 1: Route=[0, 35, 49, 41, 48, 33, 37, 45, 23, 26, 21, 40, 46, 22, 31, 28, 25, 0], Distance=265.03, RemCap=227.0

Vehicle 2: Route=[0, 34, 32, 39, 42, 36, 24, 43, 30, 47, 27, 0], Distance=226.73, RemCap=263.0

Total vehicle waiting time = 0.00

Total customer waiting time = 24693.51

--------------------------------------------------

Ep 30/50 | Reward 4641.55 | Loss 539191913.65 | Dist 774.12 | Vehl 3

Vehicle 0: Route=[0, 23, 50, 20, 1, 3, 4, 5, 7, 8, 36, 6, 35, 42, 13, 11, 10, 12, 9, 32, 18, 15, 14, 16, 17, 19, 22, 0], Distance=294.63, RemCap=4.0

Vehicle 1: Route=[0, 45, 37, 34, 33, 39, 44, 38, 27, 30, 21, 2, 29, 43, 24, 0], Distance=236.18, RemCap=176.0

Vehicle 2: Route=[0, 47, 26, 31, 28, 25, 40, 46, 49, 48, 41, 0], Distance=243.31, RemCap=310.0

Total vehicle waiting time = 0.00

Total customer waiting time = 24463.94

--------------------------------------------------

Ep 31/50 | Reward 4908.99 | Loss 640291266.54 | Dist 748.06 | Vehl 3

Vehicle 0: Route=[0, 45, 13, 41, 11, 10, 12, 9, 19, 17, 18, 28, 15, 14, 16, 20, 1, 3, 4, 2, 5, 6, 7, 8, 38, 0], Distance=278.10, RemCap=7.0

Vehicle 1: Route=[0, 34, 31, 25, 39, 48, 37, 44, 43, 29, 23, 30, 50, 26, 21, 0], Distance=287.24, RemCap=215.0

Vehicle 2: Route=[0, 35, 47, 27, 24, 36, 49, 42, 33, 32, 46, 22, 40, 0], Distance=182.72, RemCap=268.0

Total vehicle waiting time = 0.00

Total customer waiting time = 22978.74

--------------------------------------------------

Ep 32/50 | Reward 4111.27 | Loss 394657369.16 | Dist 791.67 | Vehl 3

Vehicle 0: Route=[0, 49, 36, 8, 7, 6, 5, 2, 1, 26, 20, 50, 19, 17, 16, 14, 15, 18, 11, 41, 13, 12, 9, 10, 48, 0], Distance=274.65, RemCap=0.0

Vehicle 1: Route=[0, 45, 27, 43, 4, 24, 38, 44, 42, 39, 46, 22, 28, 31, 23, 21, 0], Distance=282.71, RemCap=222.0

Vehicle 2: Route=[0, 30, 47, 3, 29, 35, 37, 33, 34, 40, 32, 25, 0], Distance=234.31, RemCap=268.0

Total vehicle waiting time = 0.00

Total customer waiting time = 26250.84

--------------------------------------------------

Ep 33/50 | Reward 5196.73 | Loss 700984553.09 | Dist 808.85 | Vehl 3

Vehicle 0: Route=[0, 45, 34, 11, 13, 10, 12, 9, 46, 18, 28, 15, 14, 16, 17, 19, 20, 1, 3, 4, 2, 6, 7, 8, 24, 5, 43, 0], Distance=306.05, RemCap=0.0

Vehicle 1: Route=[0, 30, 26, 50, 31, 22, 37, 48, 41, 49, 44, 36, 27, 35, 0], Distance=236.13, RemCap=235.0

Vehicle 2: Route=[0, 23, 21, 47, 29, 38, 42, 33, 39, 32, 40, 25, 0], Distance=266.67, RemCap=255.0

Total vehicle waiting time = 0.00

Total customer waiting time = 21514.71

--------------------------------------------------

Ep 34/50 | Reward 4891.89 | Loss 603197187.39 | Dist 798.63 | Vehl 3

Vehicle 0: Route=[0, 44, 8, 7, 6, 24, 5, 29, 4, 3, 1, 2, 47, 20, 16, 14, 15, 18, 17, 19, 9, 12, 10, 13, 11, 22, 0], Distance=312.36, RemCap=4.0

Vehicle 1: Route=[0, 26, 50, 21, 40, 46, 32, 41, 42, 36, 27, 35, 37, 34, 33, 0], Distance=239.90, RemCap=209.0

Vehicle 2: Route=[0, 45, 23, 30, 43, 38, 49, 39, 48, 25, 28, 31, 0], Distance=246.36, RemCap=277.0

Total vehicle waiting time = 0.00

Total customer waiting time = 22084.10

--------------------------------------------------

Ep 35/50 | Reward 4839.53 | Loss 600322893.93 | Dist 839.61 | Vehl 3

Vehicle 0: Route=[0, 34, 13, 39, 12, 9, 10, 11, 19, 18, 15, 14, 16, 17, 20, 47, 1, 3, 4, 2, 43, 5, 7, 8, 6, 42, 0], Distance=297.46, RemCap=3.0

Vehicle 1: Route=[0, 35, 27, 36, 38, 41, 33, 45, 23, 26, 30, 40, 46, 28, 25, 0], Distance=261.01, RemCap=197.0

Vehicle 2: Route=[0, 29, 24, 44, 49, 48, 32, 37, 22, 31, 50, 21, 0], Distance=281.14, RemCap=290.0

Total vehicle waiting time = 0.00

Total customer waiting time = 23282.00

--------------------------------------------------

Ep 36/50 | Reward 5099.81 | Loss 665261879.14 | Dist 790.57 | Vehl 3

Vehicle 0: Route=[0, 27, 6, 8, 7, 5, 2, 4, 3, 1, 26, 20, 45, 34, 13, 11, 48, 10, 12, 9, 18, 15, 14, 16, 17, 19, 22, 0], Distance=303.27, RemCap=16.0

Vehicle 1: Route=[0, 21, 29, 24, 38, 44, 42, 37, 41, 32, 46, 40, 25, 28, 31, 0], Distance=281.05, RemCap=201.0

Vehicle 2: Route=[0, 33, 39, 49, 36, 43, 47, 50, 30, 23, 35, 0], Distance=206.25, RemCap=273.0

Total vehicle waiting time = 0.00

Total customer waiting time = 21200.54

--------------------------------------------------

Ep 37/50 | Reward 4269.90 | Loss 444303607.25 | Dist 836.36 | Vehl 3

Vehicle 0: Route=[0, 45, 37, 34, 11, 10, 12, 41, 13, 36, 8, 7, 6, 5, 2, 4, 3, 1, 23, 20, 14, 15, 18, 17, 19, 40, 22, 0], Distance=304.27, RemCap=0.0

Vehicle 1: Route=[0, 43, 24, 38, 49, 42, 39, 48, 32, 25, 16, 30, 26, 21, 0], Distance=244.85, RemCap=214.0

Vehicle 2: Route=[0, 47, 29, 50, 31, 28, 46, 9, 44, 27, 35, 33, 0], Distance=287.23, RemCap=276.0

Total vehicle waiting time = 0.00

Total customer waiting time = 27448.79

--------------------------------------------------

Ep 38/50 | Reward 4817.59 | Loss 608995272.48 | Dist 770.11 | Vehl 3

Vehicle 0: Route=[0, 34, 11, 48, 10, 9, 12, 39, 13, 44, 8, 7, 6, 5, 43, 2, 4, 3, 1, 20, 19, 17, 16, 14, 15, 28, 18, 25, 0], Distance=287.89, RemCap=1.0

Vehicle 1: Route=[0, 45, 33, 49, 38, 27, 29, 47, 26, 23, 40, 22, 31, 32, 0], Distance=271.53, RemCap=215.0

Vehicle 2: Route=[0, 35, 37, 46, 41, 42, 36, 24, 50, 30, 21, 0], Distance=210.69, RemCap=274.0

Total vehicle waiting time = 0.00

Total customer waiting time = 23807.40

--------------------------------------------------

Ep 39/50 | Reward 4666.29 | Loss 566783371.78 | Dist 827.81 | Vehl 3

Vehicle 0: Route=[0, 27, 6, 8, 7, 5, 43, 2, 4, 3, 1, 23, 20, 17, 16, 14, 15, 18, 19, 9, 12, 10, 48, 11, 13, 42, 46, 0], Distance=320.10, RemCap=8.0

Vehicle 1: Route=[0, 37, 34, 45, 40, 22, 31, 28, 25, 33, 39, 49, 44, 38, 29, 26, 21, 0], Distance=287.60, RemCap=203.0

Vehicle 2: Route=[0, 32, 41, 36, 24, 35, 47, 50, 30, 0], Distance=220.11, RemCap=279.0

Total vehicle waiting time = 0.00

Total customer waiting time = 23537.10

--------------------------------------------------

Ep 40/50 | Reward 4639.14 | Loss 537516941.38 | Dist 765.41 | Vehl 3

Vehicle 0: Route=[0, 2, 1, 3, 4, 5, 6, 7, 8, 49, 39, 12, 9, 10, 11, 13, 33, 18, 15, 14, 16, 17, 19, 50, 20, 37, 0], Distance=309.48, RemCap=7.0

Vehicle 1: Route=[0, 45, 46, 22, 25, 32, 48, 41, 42, 27, 24, 43, 23, 30, 26, 21, 0], Distance=237.65, RemCap=201.0

Vehicle 2: Route=[0, 34, 28, 31, 40, 47, 29, 35, 38, 44, 36, 0], Distance=218.29, RemCap=282.0

Total vehicle waiting time = 0.00

Total customer waiting time = 23849.23

--------------------------------------------------

Ep 41/50 | Reward 4665.91 | Loss 522567573.23 | Dist 806.14 | Vehl 3

Vehicle 0: Route=[0, 2, 5, 29, 4, 3, 1, 23, 20, 17, 16, 14, 15, 18, 19, 9, 12, 10, 48, 11, 13, 44, 8, 7, 6, 42, 45, 0], Distance=296.98, RemCap=2.0

Vehicle 1: Route=[0, 34, 46, 22, 25, 32, 39, 41, 36, 38, 35, 43, 50, 21, 0], Distance=266.32, RemCap=212.0

Vehicle 2: Route=[0, 37, 33, 49, 24, 27, 47, 26, 30, 40, 28, 31, 0], Distance=242.84, RemCap=276.0

Total vehicle waiting time = 0.00

Total customer waiting time = 23840.02

--------------------------------------------------

Ep 42/50 | Reward 4368.62 | Loss 462401620.37 | Dist 798.82 | Vehl 3

Vehicle 0: Route=[0, 50, 1, 3, 4, 2, 5, 24, 6, 7, 8, 13, 41, 12, 9, 48, 11, 37, 34, 46, 19, 17, 16, 31, 14, 15, 18, 28, 0], Distance=308.19, RemCap=7.0

Vehicle 1: Route=[0, 45, 21, 30, 26, 29, 43, 35, 38, 36, 49, 42, 10, 22, 25, 0], Distance=264.54, RemCap=182.0

Vehicle 2: Route=[0, 27, 47, 23, 20, 40, 32, 39, 44, 33, 0], Distance=226.09, RemCap=301.0

Total vehicle waiting time = 0.00

Total customer waiting time = 24738.43

--------------------------------------------------

Ep 43/50 | Reward 4545.37 | Loss 506746653.73 | Dist 803.85 | Vehl 3

Vehicle 0: Route=[0, 45, 22, 19, 16, 14, 15, 18, 9, 12, 10, 11, 13, 49, 8, 7, 6, 24, 5, 4, 3, 1, 2, 47, 20, 50, 23, 0], Distance=290.66, RemCap=1.0

Vehicle 1: Route=[0, 35, 42, 44, 36, 29, 21, 34, 33, 41, 48, 39, 32, 28, 17, 31, 0], Distance=286.39, RemCap=181.0

Vehicle 2: Route=[0, 30, 26, 43, 27, 38, 37, 46, 40, 25, 0], Distance=226.80, RemCap=308.0

Total vehicle waiting time = 0.00

Total customer waiting time = 25124.03

--------------------------------------------------

Ep 44/50 | Reward 4459.33 | Loss 482742441.18 | Dist 832.43 | Vehl 3

Vehicle 0: Route=[0, 20, 1, 3, 4, 2, 5, 6, 7, 8, 44, 38, 13, 41, 11, 10, 12, 32, 18, 15, 14, 16, 17, 19, 22, 0], Distance=279.41, RemCap=6.0

Vehicle 1: Route=[0, 35, 27, 36, 42, 37, 48, 9, 25, 28, 40, 50, 26, 47, 29, 24, 0], Distance=293.66, RemCap=201.0

Vehicle 2: Route=[0, 45, 34, 46, 33, 39, 49, 43, 21, 30, 23, 31, 0], Distance=259.36, RemCap=283.0

Total vehicle waiting time = 0.00

Total customer waiting time = 25790.75

--------------------------------------------------

Ep 45/50 | Reward 4421.57 | Loss 468357418.46 | Dist 764.20 | Vehl 3

Vehicle 0: Route=[0, 34, 33, 13, 10, 12, 9, 18, 15, 14, 16, 17, 19, 50, 20, 23, 1, 3, 4, 2, 5, 6, 7, 8, 36, 49, 0], Distance=280.94, RemCap=4.0

Vehicle 1: Route=[0, 35, 27, 43, 29, 47, 26, 30, 45, 40, 31, 28, 22, 46, 11, 42, 0], Distance=241.72, RemCap=213.0

Vehicle 2: Route=[0, 24, 38, 44, 37, 41, 48, 39, 32, 25, 21, 0], Distance=241.55, RemCap=273.0

Total vehicle waiting time = 0.00

Total customer waiting time = 25939.19

--------------------------------------------------

Ep 46/50 | Reward 4607.12 | Loss 529860857.23 | Dist 818.82 | Vehl 3

Vehicle 0: Route=[0, 44, 8, 7, 6, 5, 2, 4, 3, 1, 20, 23, 19, 17, 16, 14, 15, 18, 25, 46, 9, 12, 39, 10, 11, 13, 33, 0], Distance=290.25, RemCap=5.0

Vehicle 1: Route=[0, 29, 24, 38, 45, 40, 34, 37, 41, 48, 32, 22, 31, 50, 30, 0], Distance=302.94, RemCap=179.0

Vehicle 2: Route=[0, 28, 21, 26, 47, 43, 36, 49, 42, 35, 27, 0], Distance=225.63, RemCap=306.0

Total vehicle waiting time = 0.00

Total customer waiting time = 23925.20

--------------------------------------------------

Ep 47/50 | Reward 4267.74 | Loss 421633581.09 | Dist 834.85 | Vehl 3

Vehicle 0: Route=[0, 40, 19, 17, 16, 14, 15, 9, 12, 10, 11, 41, 13, 37, 35, 6, 8, 7, 5, 2, 4, 3, 1, 20, 23, 0], Distance=293.85, RemCap=8.0

Vehicle 1: Route=[0, 34, 45, 47, 26, 30, 31, 18, 32, 48, 42, 49, 44, 36, 27, 43, 0], Distance=284.01, RemCap=210.0

Vehicle 2: Route=[0, 29, 24, 38, 39, 33, 46, 22, 25, 28, 50, 21, 0], Distance=256.99, RemCap=272.0

Total vehicle waiting time = 0.00

Total customer waiting time = 26140.48

--------------------------------------------------

Ep 48/50 | Reward 4604.28 | Loss 502175104.55 | Dist 842.99 | Vehl 3

Vehicle 0: Route=[0, 37, 13, 11, 10, 39, 12, 32, 19, 18, 15, 14, 16, 17, 20, 1, 3, 4, 2, 5, 6, 7, 8, 36, 44, 47, 0], Distance=300.99, RemCap=0.0

Vehicle 1: Route=[0, 35, 23, 50, 43, 24, 27, 38, 42, 9, 33, 40, 22, 28, 25, 0], Distance=296.50, RemCap=240.0

Vehicle 2: Route=[0, 45, 34, 46, 31, 30, 21, 26, 29, 49, 41, 48, 0], Distance=245.50, RemCap=250.0

Total vehicle waiting time = 0.00

Total customer waiting time = 25099.90

--------------------------------------------------

Ep 49/50 | Reward 4734.78 | Loss 567403963.70 | Dist 793.96 | Vehl 3

Vehicle 0: Route=[0, 45, 37, 38, 44, 8, 7, 6, 5, 2, 4, 3, 1, 20, 17, 16, 14, 15, 18, 19, 11, 13, 10, 12, 9, 32, 0], Distance=311.25, RemCap=0.0

Vehicle 1: Route=[0, 35, 27, 24, 43, 47, 26, 31, 28, 25, 48, 34, 40, 22, 0], Distance=247.71, RemCap=270.0

Vehicle 2: Route=[0, 29, 21, 50, 30, 23, 46, 33, 41, 39, 42, 36, 49, 0], Distance=235.00, RemCap=220.0

Total vehicle waiting time = 0.00

Total customer waiting time = 24386.45

--------------------------------------------------

Ep 50/50 | Reward 4716.01 | Loss 544376489.21 | Dist 746.92 | Vehl 3

Vehicle 0: Route=[0, 2, 1, 3, 4, 5, 24, 6, 7, 8, 36, 13, 11, 10, 12, 9, 32, 18, 15, 14, 16, 17, 19, 50, 20, 22, 0], Distance=308.73, RemCap=6.0

Vehicle 1: Route=[0, 45, 23, 21, 26, 29, 43, 27, 38, 44, 42, 37, 46, 33, 0], Distance=190.33, RemCap=232.0

Vehicle 2: Route=[0, 40, 31, 28, 25, 34, 48, 39, 41, 49, 35, 47, 30, 0], Distance=247.85, RemCap=252.0

Total vehicle waiting time = 0.00

Total customer waiting time = 23874.85

--------------------------------------------------

--- Training with max\_vehicles = 4 ---

Ep 1/50 | Reward 4295.80 | Loss 464415493.95 | Dist 933.41 | Vehl 4

Vehicle 0: Route=[0, 45, 30, 20, 1, 3, 4, 2, 5, 7, 8, 36, 6, 42, 41, 11, 10, 12, 9, 15, 14, 17, 19, 40, 22, 0], Distance=290.73, RemCap=10.0

Vehicle 1: Route=[0, 35, 29, 47, 23, 21, 16, 25, 48, 39, 13, 33, 46, 0], Distance=225.77, RemCap=275.0

Vehicle 2: Route=[0, 37, 49, 27, 43, 26, 50, 18, 32, 0], Distance=227.62, RemCap=334.0

Vehicle 3: Route=[0, 24, 38, 44, 28, 31, 34, 0], Distance=189.29, RemCap=371.0

Total vehicle waiting time = 0.00

Total customer waiting time = 23648.16

--------------------------------------------------

Ep 2/50 | Reward 4969.38 | Loss 660590778.40 | Dist 909.95 | Vehl 4

Vehicle 0: Route=[0, 13, 41, 11, 10, 12, 9, 18, 15, 14, 16, 17, 19, 20, 1, 3, 4, 5, 2, 47, 27, 6, 7, 8, 36, 0], Distance=285.12, RemCap=8.0

Vehicle 1: Route=[0, 24, 21, 26, 50, 28, 46, 34, 45, 33, 48, 39, 0], Distance=254.78, RemCap=293.0

Vehicle 2: Route=[0, 43, 29, 30, 23, 37, 22, 32, 25, 0], Distance=213.33, RemCap=330.0

Vehicle 3: Route=[0, 40, 31, 42, 49, 44, 38, 35, 0], Distance=156.73, RemCap=359.0

Total vehicle waiting time = 0.00

Total customer waiting time = 21132.57

--------------------------------------------------

Ep 3/50 | Reward 4575.99 | Loss 548270124.30 | Dist 934.65 | Vehl 4

Vehicle 0: Route=[0, 22, 19, 17, 16, 14, 15, 18, 32, 9, 12, 10, 11, 13, 37, 49, 8, 7, 6, 5, 2, 4, 3, 23, 20, 26, 21, 0], Distance=298.06, RemCap=0.0

Vehicle 1: Route=[0, 35, 27, 1, 24, 38, 39, 48, 28, 33, 42, 0], Distance=238.12, RemCap=282.0

Vehicle 2: Route=[0, 45, 34, 46, 36, 29, 47, 30, 50, 0], Distance=190.16, RemCap=317.0

Vehicle 3: Route=[0, 43, 44, 41, 40, 25, 31, 0], Distance=208.31, RemCap=391.0

Total vehicle waiting time = 0.00

Total customer waiting time = 22618.89

--------------------------------------------------

Ep 4/50 | Reward 4554.49 | Loss 529239201.25 | Dist 993.83 | Vehl 4

Vehicle 0: Route=[0, 27, 6, 7, 8, 24, 5, 2, 4, 3, 1, 20, 17, 16, 14, 15, 18, 19, 40, 11, 41, 13, 12, 9, 10, 22, 0], Distance=309.98, RemCap=9.0

Vehicle 1: Route=[0, 35, 42, 38, 43, 50, 45, 37, 33, 39, 25, 0], Distance=269.35, RemCap=292.0

Vehicle 2: Route=[0, 32, 48, 49, 44, 47, 23, 30, 0], Distance=181.72, RemCap=356.0

Vehicle 3: Route=[0, 21, 26, 29, 36, 34, 46, 28, 31, 0], Distance=232.78, RemCap=333.0

Total vehicle waiting time = 0.00

Total customer waiting time = 22666.67

--------------------------------------------------

Ep 5/50 | Reward 4656.67 | Loss 558435489.73 | Dist 746.85 | Vehl 4

Vehicle 0: Route=[0, 44, 36, 8, 7, 6, 5, 4, 3, 1, 2, 47, 23, 19, 17, 16, 14, 15, 18, 46, 33, 13, 11, 48, 10, 9, 12, 39, 0], Distance=286.56, RemCap=2.0

Vehicle 1: Route=[0, 30, 20, 29, 24, 38, 49, 41, 32, 22, 40, 0], Distance=210.33, RemCap=217.0

Vehicle 2: Route=[0, 45, 37, 34, 25, 31, 28, 0], Distance=116.37, RemCap=412.0

Vehicle 3: Route=[0, 42, 35, 27, 43, 26, 50, 21, 0], Distance=133.60, RemCap=359.0

Total vehicle waiting time = 0.00

Total customer waiting time = 22189.91

--------------------------------------------------

Ep 6/50 | Reward 4636.96 | Loss 552358402.00 | Dist 886.12 | Vehl 4

Vehicle 0: Route=[0, 6, 7, 8, 24, 5, 2, 4, 3, 1, 26, 20, 45, 46, 11, 13, 10, 12, 9, 18, 28, 15, 14, 16, 17, 19, 40, 0], Distance=304.07, RemCap=0.0

Vehicle 1: Route=[0, 37, 41, 39, 32, 22, 31, 21, 23, 47, 38, 36, 0], Distance=244.14, RemCap=247.0

Vehicle 2: Route=[0, 49, 44, 48, 33, 30, 50, 25, 0], Distance=228.63, RemCap=383.0

Vehicle 3: Route=[0, 34, 42, 35, 29, 43, 27, 0], Distance=109.28, RemCap=360.0

Total vehicle waiting time = 0.00

Total customer waiting time = 21623.82

--------------------------------------------------

Ep 7/50 | Reward 4363.26 | Loss 469391705.68 | Dist 901.59 | Vehl 4

Vehicle 0: Route=[0, 45, 34, 19, 17, 16, 15, 18, 9, 12, 10, 48, 11, 13, 44, 8, 7, 6, 5, 2, 29, 4, 3, 1, 26, 20, 21, 0], Distance=275.45, RemCap=8.0

Vehicle 1: Route=[0, 23, 30, 14, 22, 33, 42, 38, 36, 41, 39, 32, 0], Distance=261.82, RemCap=224.0

Vehicle 2: Route=[0, 46, 40, 28, 50, 47, 43, 27, 0], Distance=181.01, RemCap=381.0

Vehicle 3: Route=[0, 35, 24, 49, 37, 25, 31, 0], Distance=183.30, RemCap=377.0

Total vehicle waiting time = 0.00

Total customer waiting time = 23530.19

--------------------------------------------------

Ep 8/50 | Reward 5045.98 | Loss 675819107.06 | Dist 890.15 | Vehl 4

Vehicle 0: Route=[0, 35, 44, 8, 7, 6, 5, 43, 2, 4, 3, 1, 20, 16, 14, 15, 28, 18, 17, 19, 22, 11, 13, 10, 9, 12, 39, 0], Distance=289.01, RemCap=10.0

Vehicle 1: Route=[0, 42, 24, 29, 50, 40, 25, 32, 37, 34, 46, 0], Distance=249.97, RemCap=292.0

Vehicle 2: Route=[0, 45, 33, 41, 27, 26, 21, 30, 0], Distance=146.36, RemCap=341.0

Vehicle 3: Route=[0, 47, 23, 31, 48, 49, 38, 36, 0], Distance=204.81, RemCap=347.0

Total vehicle waiting time = 0.00

Total customer waiting time = 19669.67

--------------------------------------------------

Ep 9/50 | Reward 4570.70 | Loss 542688380.57 | Dist 889.93 | Vehl 4

Vehicle 0: Route=[0, 30, 1, 3, 4, 29, 2, 5, 24, 27, 6, 7, 8, 36, 13, 10, 12, 9, 11, 46, 22, 19, 16, 14, 15, 18, 25, 0], Distance=299.06, RemCap=0.0

Vehicle 1: Route=[0, 35, 38, 34, 23, 31, 17, 39, 0], Distance=235.91, RemCap=324.0

Vehicle 2: Route=[0, 21, 20, 47, 43, 44, 49, 33, 37, 45, 0], Distance=170.76, RemCap=331.0

Vehicle 3: Route=[0, 42, 41, 48, 32, 28, 40, 26, 50, 0], Distance=184.21, RemCap=335.0

Total vehicle waiting time = 0.00

Total customer waiting time = 21988.48

--------------------------------------------------

Ep 10/50 | Reward 4636.11 | Loss 545153861.71 | Dist 861.82 | Vehl 4

Vehicle 0: Route=[0, 19, 17, 16, 14, 15, 18, 46, 11, 10, 9, 12, 13, 44, 36, 8, 7, 6, 5, 43, 2, 4, 3, 1, 20, 50, 21, 0], Distance=282.31, RemCap=12.0

Vehicle 1: Route=[0, 47, 29, 49, 39, 48, 25, 22, 40, 45, 33, 0], Distance=219.38, RemCap=325.0

Vehicle 2: Route=[0, 30, 26, 35, 37, 41, 34, 0], Distance=139.13, RemCap=338.0

Vehicle 3: Route=[0, 32, 28, 31, 23, 27, 24, 38, 42, 0], Distance=221.00, RemCap=315.0

Total vehicle waiting time = 0.00

Total customer waiting time = 21154.12

--------------------------------------------------

Ep 11/50 | Reward 4947.80 | Loss 641313267.88 | Dist 853.59 | Vehl 4

Vehicle 0: Route=[0, 27, 6, 36, 8, 7, 5, 2, 4, 3, 1, 21, 20, 19, 17, 16, 31, 14, 15, 18, 32, 9, 12, 10, 13, 11, 40, 0], Distance=298.59, RemCap=1.0

Vehicle 1: Route=[0, 42, 39, 33, 34, 46, 30, 26, 29, 43, 24, 38, 0], Distance=227.41, RemCap=211.0

Vehicle 2: Route=[0, 49, 44, 23, 28, 25, 22, 48, 41, 0], Distance=215.29, RemCap=377.0

Vehicle 3: Route=[0, 45, 37, 35, 47, 50, 0], Distance=112.29, RemCap=401.0

Total vehicle waiting time = 0.00

Total customer waiting time = 20432.56

--------------------------------------------------

Ep 12/50 | Reward 4523.69 | Loss 522683839.10 | Dist 908.41 | Vehl 4

Vehicle 0: Route=[0, 40, 19, 17, 16, 14, 15, 28, 18, 32, 9, 12, 10, 11, 13, 44, 8, 7, 6, 5, 2, 4, 3, 1, 20, 27, 35, 0], Distance=293.39, RemCap=4.0

Vehicle 1: Route=[0, 45, 41, 42, 38, 36, 24, 43, 47, 23, 21, 0], Distance=179.07, RemCap=269.0

Vehicle 2: Route=[0, 29, 37, 34, 33, 48, 46, 31, 0], Distance=197.17, RemCap=360.0

Vehicle 3: Route=[0, 49, 39, 22, 30, 26, 50, 25, 0], Distance=238.79, RemCap=357.0

Total vehicle waiting time = 0.00

Total customer waiting time = 22633.35

--------------------------------------------------

Ep 13/50 | Reward 4812.62 | Loss 611251530.16 | Dist 838.98 | Vehl 4

Vehicle 0: Route=[0, 20, 1, 3, 4, 5, 2, 27, 6, 7, 8, 36, 44, 42, 37, 33, 13, 11, 10, 12, 9, 18, 15, 14, 16, 17, 19, 22, 0], Distance=299.94, RemCap=10.0

Vehicle 1: Route=[0, 45, 23, 30, 21, 47, 29, 24, 38, 39, 46, 31, 0], Distance=258.93, RemCap=226.0

Vehicle 2: Route=[0, 35, 49, 41, 48, 32, 25, 28, 34, 0], Distance=153.55, RemCap=333.0

Vehicle 3: Route=[0, 40, 50, 26, 43, 0], Distance=126.57, RemCap=421.0

Total vehicle waiting time = 0.00

Total customer waiting time = 21565.83

--------------------------------------------------

Ep 14/50 | Reward 4203.49 | Loss 435443298.95 | Dist 917.74 | Vehl 4

Vehicle 0: Route=[0, 23, 21, 20, 26, 1, 3, 4, 2, 24, 27, 6, 7, 8, 44, 37, 33, 11, 13, 12, 9, 19, 17, 16, 14, 15, 18, 25, 0], Distance=316.35, RemCap=8.0

Vehicle 1: Route=[0, 35, 5, 30, 34, 46, 10, 41, 38, 36, 0], Distance=213.16, RemCap=246.0

Vehicle 2: Route=[0, 45, 40, 31, 28, 32, 48, 43, 29, 0], Distance=188.22, RemCap=347.0

Vehicle 3: Route=[0, 50, 47, 49, 42, 39, 22, 0], Distance=200.01, RemCap=389.0

Total vehicle waiting time = 0.00

Total customer waiting time = 24154.58

--------------------------------------------------

Ep 15/50 | Reward 4258.33 | Loss 426906294.35 | Dist 920.63 | Vehl 4

Vehicle 0: Route=[0, 20, 19, 17, 14, 15, 18, 11, 10, 9, 12, 39, 13, 44, 8, 6, 24, 5, 29, 4, 3, 1, 2, 43, 0], Distance=287.23, RemCap=0.0

Vehicle 1: Route=[0, 40, 31, 28, 25, 41, 34, 37, 35, 47, 7, 49, 0], Distance=223.19, RemCap=296.0

Vehicle 2: Route=[0, 30, 16, 22, 32, 38, 48, 0], Distance=233.25, RemCap=376.0

Vehicle 3: Route=[0, 45, 46, 33, 42, 36, 27, 23, 50, 26, 21, 0], Distance=176.97, RemCap=318.0

Total vehicle waiting time = 0.00

Total customer waiting time = 23434.18

--------------------------------------------------

Ep 16/50 | Reward 4726.45 | Loss 570901444.80 | Dist 874.09 | Vehl 4

Vehicle 0: Route=[0, 45, 34, 13, 11, 48, 10, 12, 9, 18, 28, 15, 14, 16, 17, 19, 40, 20, 1, 3, 4, 2, 5, 24, 7, 8, 36, 44, 0], Distance=288.55, RemCap=9.0

Vehicle 1: Route=[0, 42, 6, 35, 23, 26, 30, 31, 46, 39, 32, 0], Distance=255.93, RemCap=259.0

Vehicle 2: Route=[0, 47, 43, 27, 38, 49, 41, 22, 25, 0], Distance=189.23, RemCap=325.0

Vehicle 3: Route=[0, 33, 37, 29, 50, 21, 0], Distance=140.38, RemCap=397.0

Total vehicle waiting time = 0.00

Total customer waiting time = 20833.21

--------------------------------------------------

Ep 17/50 | Reward 4557.68 | Loss 523791227.85 | Dist 911.90 | Vehl 4

Vehicle 0: Route=[0, 35, 2, 1, 3, 4, 5, 6, 7, 8, 49, 13, 41, 11, 48, 10, 12, 9, 18, 28, 15, 14, 16, 17, 19, 20, 22, 0], Distance=306.84, RemCap=0.0

Vehicle 1: Route=[0, 26, 21, 40, 46, 32, 39, 42, 34, 45, 0], Distance=179.11, RemCap=325.0

Vehicle 2: Route=[0, 47, 24, 36, 44, 37, 33, 25, 30, 0], Distance=220.02, RemCap=344.0

Vehicle 3: Route=[0, 38, 27, 43, 29, 23, 50, 31, 0], Distance=205.93, RemCap=321.0

Total vehicle waiting time = 0.00

Total customer waiting time = 21688.17

--------------------------------------------------

Ep 18/50 | Reward 4637.96 | Loss 544101950.03 | Dist 955.09 | Vehl 4

Vehicle 0: Route=[0, 34, 45, 21, 50, 20, 1, 4, 5, 2, 47, 6, 7, 8, 44, 13, 11, 10, 12, 9, 18, 28, 15, 14, 16, 17, 19, 40, 0], Distance=317.88, RemCap=6.0

Vehicle 1: Route=[0, 3, 43, 24, 36, 38, 35, 37, 25, 39, 0], Distance=236.67, RemCap=297.0

Vehicle 2: Route=[0, 29, 23, 31, 22, 33, 48, 42, 0], Distance=205.23, RemCap=375.0

Vehicle 3: Route=[0, 30, 26, 27, 49, 46, 32, 41, 0], Distance=195.32, RemCap=312.0

Total vehicle waiting time = 0.00

Total customer waiting time = 21684.91

--------------------------------------------------

Ep 19/50 | Reward 5070.61 | Loss 671311656.26 | Dist 840.39 | Vehl 4

Vehicle 0: Route=[0, 2, 1, 3, 4, 5, 6, 7, 8, 44, 42, 13, 41, 12, 9, 10, 48, 11, 34, 19, 18, 15, 14, 16, 17, 20, 21, 0], Distance=294.37, RemCap=6.0

Vehicle 1: Route=[0, 23, 30, 50, 26, 43, 36, 38, 37, 46, 22, 40, 0], Distance=193.61, RemCap=274.0

Vehicle 2: Route=[0, 27, 24, 47, 45, 32, 33, 0], Distance=144.95, RemCap=367.0

Vehicle 3: Route=[0, 35, 29, 49, 39, 25, 28, 31, 0], Distance=207.46, RemCap=343.0

Total vehicle waiting time = 0.00

Total customer waiting time = 19962.70

--------------------------------------------------

Ep 20/50 | Reward 4984.50 | Loss 655491335.74 | Dist 891.44 | Vehl 4

Vehicle 0: Route=[0, 20, 1, 3, 4, 2, 43, 5, 24, 8, 7, 6, 37, 13, 11, 10, 12, 9, 32, 19, 17, 16, 14, 15, 18, 25, 0], Distance=298.53, RemCap=3.0

Vehicle 1: Route=[0, 40, 22, 46, 48, 39, 42, 44, 36, 27, 47, 23, 21, 0], Distance=201.20, RemCap=313.0

Vehicle 2: Route=[0, 29, 30, 31, 45, 34, 33, 41, 49, 38, 0], Distance=244.63, RemCap=261.0

Vehicle 3: Route=[0, 35, 28, 50, 26, 0], Distance=147.08, RemCap=413.0

Total vehicle waiting time = 0.00

Total customer waiting time = 20963.36

--------------------------------------------------

Ep 21/50 | Reward 4777.81 | Loss 567683470.97 | Dist 923.79 | Vehl 4

Vehicle 0: Route=[0, 37, 13, 12, 9, 10, 11, 46, 18, 15, 14, 16, 17, 19, 20, 1, 3, 4, 43, 5, 7, 8, 44, 6, 2, 29, 0], Distance=311.03, RemCap=6.0

Vehicle 1: Route=[0, 23, 26, 28, 48, 39, 35, 27, 24, 36, 49, 38, 0], Distance=261.78, RemCap=244.0

Vehicle 2: Route=[0, 42, 47, 21, 40, 31, 25, 33, 41, 0], Distance=215.21, RemCap=356.0

Vehicle 3: Route=[0, 45, 34, 32, 22, 50, 30, 0], Distance=135.76, RemCap=384.0

Total vehicle waiting time = 0.00

Total customer waiting time = 21108.05

--------------------------------------------------

Ep 22/50 | Reward 4464.59 | Loss 494352058.16 | Dist 836.21 | Vehl 4

Vehicle 0: Route=[0, 20, 26, 1, 3, 4, 29, 2, 5, 7, 8, 6, 37, 13, 11, 48, 10, 12, 9, 19, 17, 16, 14, 28, 18, 25, 0], Distance=296.51, RemCap=4.0

Vehicle 1: Route=[0, 49, 44, 47, 30, 40, 31, 15, 32, 46, 34, 0], Distance=224.94, RemCap=310.0

Vehicle 2: Route=[0, 22, 33, 41, 39, 42, 35, 43, 24, 27, 0], Distance=170.50, RemCap=299.0

Vehicle 3: Route=[0, 36, 38, 45, 23, 50, 21, 0], Distance=144.26, RemCap=377.0

Total vehicle waiting time = 0.00

Total customer waiting time = 23710.34

--------------------------------------------------

Ep 23/50 | Reward 4708.00 | Loss 537048456.97 | Dist 900.06 | Vehl 4

Vehicle 0: Route=[0, 23, 20, 47, 1, 3, 4, 2, 5, 6, 7, 8, 44, 13, 11, 48, 10, 12, 9, 18, 28, 15, 14, 16, 17, 19, 34, 33, 0], Distance=296.25, RemCap=1.0

Vehicle 1: Route=[0, 27, 43, 29, 21, 30, 50, 40, 45, 37, 39, 25, 0], Distance=247.96, RemCap=283.0

Vehicle 2: Route=[0, 35, 36, 24, 26, 31, 46, 32, 0], Distance=237.67, RemCap=324.0

Vehicle 3: Route=[0, 42, 38, 49, 41, 22, 0], Distance=118.18, RemCap=382.0

Total vehicle waiting time = 0.00

Total customer waiting time = 21567.27

--------------------------------------------------

Ep 24/50 | Reward 4612.54 | Loss 517770058.08 | Dist 893.10 | Vehl 4

Vehicle 0: Route=[0, 45, 20, 1, 3, 4, 2, 5, 6, 7, 8, 44, 49, 42, 37, 13, 11, 48, 10, 12, 9, 25, 18, 15, 14, 16, 17, 19, 22, 0], Distance=297.30, RemCap=13.0

Vehicle 1: Route=[0, 41, 46, 28, 50, 23, 29, 24, 38, 36, 0], Distance=242.08, RemCap=262.0

Vehicle 2: Route=[0, 40, 31, 32, 39, 34, 27, 43, 21, 0], Distance=237.88, RemCap=342.0

Vehicle 3: Route=[0, 33, 35, 47, 30, 26, 0], Distance=115.84, RemCap=373.0

Total vehicle waiting time = 0.00

Total customer waiting time = 22843.18

--------------------------------------------------

Ep 25/50 | Reward 4622.01 | Loss 538581972.93 | Dist 961.45 | Vehl 4

Vehicle 0: Route=[0, 40, 19, 17, 16, 14, 15, 28, 18, 22, 34, 37, 11, 10, 9, 12, 13, 8, 7, 6, 5, 29, 4, 3, 1, 2, 20, 21, 0], Distance=301.70, RemCap=3.0

Vehicle 1: Route=[0, 35, 38, 36, 41, 32, 33, 45, 26, 30, 25, 0], Distance=253.38, RemCap=242.0

Vehicle 2: Route=[0, 46, 31, 23, 27, 24, 47, 0], Distance=189.37, RemCap=370.0

Vehicle 3: Route=[0, 43, 50, 48, 39, 42, 44, 49, 0], Distance=216.99, RemCap=375.0

Total vehicle waiting time = 0.00

Total customer waiting time = 23005.59

--------------------------------------------------

Ep 26/50 | Reward 3919.48 | Loss 335469063.12 | Dist 984.94 | Vehl 4

Vehicle 0: Route=[0, 49, 38, 8, 7, 6, 27, 2, 5, 4, 1, 20, 16, 14, 15, 17, 19, 40, 33, 13, 11, 48, 10, 9, 46, 0], Distance=302.62, RemCap=7.0

Vehicle 1: Route=[0, 47, 29, 35, 36, 44, 12, 41, 22, 18, 31, 21, 0], Distance=265.60, RemCap=287.0

Vehicle 2: Route=[0, 43, 3, 26, 50, 30, 45, 39, 28, 25, 0], Distance=240.46, RemCap=327.0

Vehicle 3: Route=[0, 23, 24, 42, 37, 32, 34, 0], Distance=176.25, RemCap=369.0

Total vehicle waiting time = 0.00

Total customer waiting time = 26402.66

--------------------------------------------------

Ep 27/50 | Reward 4157.15 | Loss 410821191.04 | Dist 933.46 | Vehl 4

Vehicle 0: Route=[0, 45, 19, 17, 16, 14, 15, 18, 11, 13, 10, 12, 39, 44, 7, 6, 27, 2, 5, 29, 4, 3, 1, 20, 30, 0], Distance=279.33, RemCap=8.0

Vehicle 1: Route=[0, 37, 32, 9, 41, 8, 35, 43, 47, 26, 50, 40, 22, 0], Distance=261.29, RemCap=241.0

Vehicle 2: Route=[0, 34, 48, 38, 36, 24, 23, 21, 31, 25, 0], Distance=250.99, RemCap=321.0

Vehicle 3: Route=[0, 49, 42, 33, 28, 46, 0], Distance=141.85, RemCap=420.0

Total vehicle waiting time = 0.00

Total customer waiting time = 22863.27

--------------------------------------------------

Ep 28/50 | Reward 4700.99 | Loss 564316396.59 | Dist 859.96 | Vehl 4

Vehicle 0: Route=[0, 45, 50, 1, 3, 4, 2, 5, 6, 7, 8, 36, 38, 44, 13, 41, 11, 10, 12, 9, 18, 15, 14, 16, 17, 19, 22, 0], Distance=287.83, RemCap=4.0

Vehicle 1: Route=[0, 47, 27, 49, 37, 33, 46, 25, 31, 20, 26, 21, 0], Distance=216.74, RemCap=277.0

Vehicle 2: Route=[0, 24, 43, 23, 30, 28, 32, 0], Distance=192.79, RemCap=359.0

Vehicle 3: Route=[0, 29, 35, 42, 39, 48, 40, 34, 0], Distance=162.60, RemCap=350.0

Total vehicle waiting time = 0.00

Total customer waiting time = 21906.22

--------------------------------------------------

Ep 29/50 | Reward 5006.98 | Loss 632319305.49 | Dist 884.69 | Vehl 4

Vehicle 0: Route=[0, 50, 20, 1, 3, 4, 29, 2, 43, 5, 6, 7, 8, 13, 12, 9, 10, 11, 46, 18, 15, 14, 16, 17, 19, 40, 22, 0], Distance=290.42, RemCap=0.0

Vehicle 1: Route=[0, 35, 24, 38, 44, 39, 48, 28, 23, 30, 26, 0], Distance=234.20, RemCap=263.0

Vehicle 2: Route=[0, 27, 49, 45, 37, 41, 32, 25, 31, 21, 0], Distance=227.50, RemCap=321.0

Vehicle 3: Route=[0, 47, 36, 34, 33, 42, 0], Distance=132.56, RemCap=406.0

Total vehicle waiting time = 0.00

Total customer waiting time = 20852.47

--------------------------------------------------

Ep 30/50 | Reward 4804.48 | Loss 585625643.11 | Dist 957.17 | Vehl 4

Vehicle 0: Route=[0, 49, 8, 7, 6, 5, 2, 29, 4, 3, 1, 20, 30, 17, 16, 14, 15, 18, 19, 10, 9, 12, 13, 11, 33, 0], Distance=281.23, RemCap=3.0

Vehicle 1: Route=[0, 36, 42, 41, 39, 32, 45, 50, 40, 22, 28, 25, 0], Distance=277.34, RemCap=299.0

Vehicle 2: Route=[0, 23, 47, 43, 27, 35, 37, 34, 48, 31, 0], Distance=221.86, RemCap=326.0

Vehicle 3: Route=[0, 46, 21, 26, 24, 44, 38, 0], Distance=176.74, RemCap=362.0

Total vehicle waiting time = 0.00

Total customer waiting time = 21850.96

--------------------------------------------------

Ep 31/50 | Reward 4966.92 | Loss 641705408.57 | Dist 885.73 | Vehl 4

Vehicle 0: Route=[0, 45, 42, 44, 8, 7, 6, 5, 2, 4, 3, 1, 26, 20, 17, 16, 14, 15, 18, 19, 32, 9, 12, 10, 13, 11, 48, 0], Distance=293.93, RemCap=1.0

Vehicle 1: Route=[0, 47, 50, 23, 37, 41, 39, 34, 46, 22, 28, 25, 0], Distance=229.25, RemCap=291.0

Vehicle 2: Route=[0, 33, 30, 21, 24, 36, 27, 0], Distance=171.12, RemCap=374.0

Vehicle 3: Route=[0, 35, 29, 43, 38, 49, 40, 31, 0], Distance=191.43, RemCap=324.0

Total vehicle waiting time = 0.00

Total customer waiting time = 20400.18

--------------------------------------------------

Ep 32/50 | Reward 4309.40 | Loss 437866543.36 | Dist 881.91 | Vehl 4

Vehicle 0: Route=[0, 23, 26, 20, 19, 17, 16, 14, 15, 18, 25, 12, 10, 11, 13, 36, 8, 7, 6, 24, 5, 4, 3, 1, 2, 43, 0], Distance=286.04, RemCap=0.0

Vehicle 1: Route=[0, 27, 44, 49, 39, 9, 41, 33, 37, 45, 46, 40, 31, 0], Distance=225.17, RemCap=268.0

Vehicle 2: Route=[0, 47, 29, 35, 42, 48, 32, 28, 30, 21, 0], Distance=216.47, RemCap=304.0

Vehicle 3: Route=[0, 38, 34, 22, 50, 0], Distance=154.22, RemCap=418.0

Total vehicle waiting time = 0.00

Total customer waiting time = 23231.17

--------------------------------------------------

Ep 33/50 | Reward 4882.54 | Loss 600255358.02 | Dist 888.37 | Vehl 4

Vehicle 0: Route=[0, 35, 13, 12, 9, 10, 11, 22, 18, 15, 14, 31, 16, 17, 19, 20, 1, 3, 4, 2, 43, 5, 6, 7, 8, 36, 49, 0], Distance=291.17, RemCap=0.0

Vehicle 1: Route=[0, 45, 25, 33, 37, 42, 47, 23, 30, 26, 0], Distance=188.39, RemCap=326.0

Vehicle 2: Route=[0, 29, 21, 50, 28, 40, 46, 41, 44, 0], Distance=237.95, RemCap=343.0

Vehicle 3: Route=[0, 27, 24, 38, 34, 32, 48, 39, 0], Distance=170.86, RemCap=321.0

Total vehicle waiting time = 0.00

Total customer waiting time = 21076.92

--------------------------------------------------

Ep 34/50 | Reward 4817.93 | Loss 573480849.68 | Dist 922.27 | Vehl 4

Vehicle 0: Route=[0, 40, 19, 17, 16, 14, 15, 18, 11, 10, 9, 12, 39, 13, 8, 7, 6, 5, 43, 4, 3, 1, 2, 47, 20, 50, 0], Distance=292.37, RemCap=8.0

Vehicle 1: Route=[0, 45, 21, 26, 29, 24, 49, 41, 33, 22, 25, 0], Distance=238.66, RemCap=287.0

Vehicle 2: Route=[0, 31, 34, 37, 42, 38, 36, 27, 35, 0], Distance=164.92, RemCap=324.0

Vehicle 3: Route=[0, 44, 23, 30, 28, 46, 32, 48, 0], Distance=226.31, RemCap=371.0

Total vehicle waiting time = 0.00

Total customer waiting time = 21320.83

--------------------------------------------------

Ep 35/50 | Reward 4878.60 | Loss 584569703.51 | Dist 915.06 | Vehl 4

Vehicle 0: Route=[0, 13, 11, 10, 12, 9, 25, 18, 15, 14, 16, 17, 19, 50, 20, 30, 1, 3, 4, 5, 2, 27, 6, 7, 8, 36, 44, 0], Distance=283.10, RemCap=1.0

Vehicle 1: Route=[0, 21, 47, 24, 49, 46, 28, 40, 34, 37, 42, 0], Distance=242.82, RemCap=330.0

Vehicle 2: Route=[0, 33, 32, 48, 41, 38, 35, 26, 43, 29, 0], Distance=217.29, RemCap=245.0

Vehicle 3: Route=[0, 45, 39, 22, 31, 23, 0], Distance=171.85, RemCap=414.0

Total vehicle waiting time = 0.00

Total customer waiting time = 20676.50

--------------------------------------------------

Ep 36/50 | Reward 4783.88 | Loss 537266938.83 | Dist 938.89 | Vehl 4

Vehicle 0: Route=[0, 38, 8, 7, 6, 47, 2, 5, 4, 3, 1, 26, 20, 17, 16, 14, 15, 18, 19, 9, 12, 10, 13, 11, 40, 0], Distance=311.19, RemCap=8.0

Vehicle 1: Route=[0, 45, 22, 28, 32, 48, 37, 42, 24, 43, 50, 30, 35, 0], Distance=253.98, RemCap=275.0

Vehicle 2: Route=[0, 23, 21, 29, 36, 41, 33, 34, 46, 0], Distance=187.22, RemCap=316.0

Vehicle 3: Route=[0, 27, 44, 49, 39, 31, 25, 0], Distance=186.49, RemCap=391.0

Total vehicle waiting time = 0.00

Total customer waiting time = 21547.54

--------------------------------------------------

Ep 37/50 | Reward 4442.56 | Loss 471111768.94 | Dist 947.62 | Vehl 4

Vehicle 0: Route=[0, 45, 35, 27, 1, 3, 4, 5, 6, 7, 8, 49, 42, 13, 11, 48, 10, 12, 9, 22, 18, 15, 14, 16, 17, 19, 20, 21, 0], Distance=302.33, RemCap=23.0

Vehicle 1: Route=[0, 43, 2, 31, 46, 34, 33, 39, 38, 0], Distance=234.07, RemCap=306.0

Vehicle 2: Route=[0, 47, 26, 50, 30, 40, 41, 32, 28, 0], Distance=202.57, RemCap=307.0

Vehicle 3: Route=[0, 37, 25, 23, 29, 24, 44, 36, 0], Distance=208.65, RemCap=354.0

Total vehicle waiting time = 0.00

Total customer waiting time = 22889.60

--------------------------------------------------

Ep 38/50 | Reward 4755.56 | Loss 570607400.42 | Dist 926.85 | Vehl 4

Vehicle 0: Route=[0, 47, 2, 5, 4, 3, 1, 20, 16, 14, 15, 18, 17, 19, 42, 6, 7, 8, 49, 13, 12, 9, 10, 48, 11, 41, 0], Distance=310.88, RemCap=2.0

Vehicle 1: Route=[0, 33, 25, 31, 30, 21, 26, 27, 43, 24, 36, 35, 0], Distance=236.40, RemCap=267.0

Vehicle 2: Route=[0, 23, 45, 34, 46, 32, 39, 44, 0], Distance=171.25, RemCap=359.0

Vehicle 3: Route=[0, 37, 38, 29, 50, 28, 22, 40, 0], Distance=208.32, RemCap=362.0

Total vehicle waiting time = 0.00

Total customer waiting time = 21200.80

--------------------------------------------------

Ep 39/50 | Reward 4707.34 | Loss 538629976.19 | Dist 929.55 | Vehl 4

Vehicle 0: Route=[0, 37, 13, 11, 10, 12, 9, 18, 15, 14, 16, 17, 19, 20, 1, 3, 4, 29, 2, 43, 5, 6, 7, 8, 44, 27, 0], Distance=279.45, RemCap=5.0

Vehicle 1: Route=[0, 45, 40, 31, 50, 26, 24, 49, 39, 34, 33, 0], Distance=260.26, RemCap=292.0

Vehicle 2: Route=[0, 42, 36, 47, 30, 28, 25, 41, 48, 32, 0], Distance=242.46, RemCap=311.0

Vehicle 3: Route=[0, 35, 38, 46, 22, 21, 23, 0], Distance=147.37, RemCap=382.0

Total vehicle waiting time = 0.00

Total customer waiting time = 21891.94

--------------------------------------------------

Ep 40/50 | Reward 4423.28 | Loss 468457646.01 | Dist 887.45 | Vehl 4

Vehicle 0: Route=[0, 40, 19, 17, 16, 14, 15, 28, 18, 25, 22, 11, 10, 9, 12, 13, 49, 8, 7, 6, 5, 2, 4, 3, 1, 47, 20, 50, 21, 0], Distance=298.75, RemCap=5.0

Vehicle 1: Route=[0, 45, 31, 34, 37, 42, 38, 43, 23, 26, 0], Distance=226.70, RemCap=307.0

Vehicle 2: Route=[0, 46, 32, 48, 39, 44, 35, 29, 27, 0], Distance=180.28, RemCap=315.0

Vehicle 3: Route=[0, 30, 33, 41, 36, 24, 0], Distance=181.72, RemCap=363.0

Total vehicle waiting time = 0.00

Total customer waiting time = 22518.97

--------------------------------------------------

Ep 41/50 | Reward 4582.21 | Loss 514988591.81 | Dist 878.23 | Vehl 4

Vehicle 0: Route=[0, 49, 8, 7, 6, 5, 2, 4, 3, 1, 20, 50, 30, 17, 16, 14, 15, 18, 19, 22, 46, 10, 9, 12, 13, 11, 45, 0], Distance=290.91, RemCap=6.0

Vehicle 1: Route=[0, 40, 31, 28, 25, 33, 42, 48, 41, 0], Distance=165.08, RemCap=369.0

Vehicle 2: Route=[0, 23, 34, 39, 44, 35, 27, 29, 24, 0], Distance=223.38, RemCap=305.0

Vehicle 3: Route=[0, 37, 32, 38, 36, 43, 47, 21, 26, 0], Distance=198.86, RemCap=310.0

Total vehicle waiting time = 0.00

Total customer waiting time = 23393.45

--------------------------------------------------

Ep 42/50 | Reward 4439.25 | Loss 471962853.88 | Dist 932.11 | Vehl 4

Vehicle 0: Route=[0, 23, 30, 20, 3, 4, 2, 5, 24, 6, 7, 8, 13, 41, 11, 10, 12, 9, 18, 15, 14, 16, 17, 19, 40, 0], Distance=275.76, RemCap=1.0

Vehicle 1: Route=[0, 37, 33, 22, 48, 49, 35, 47, 26, 1, 29, 0], Distance=221.62, RemCap=294.0

Vehicle 2: Route=[0, 27, 36, 44, 34, 28, 31, 50, 21, 0], Distance=205.03, RemCap=372.0

Vehicle 3: Route=[0, 43, 38, 42, 45, 39, 32, 46, 25, 0], Distance=229.70, RemCap=323.0

Total vehicle waiting time = 0.00

Total customer waiting time = 22737.27

--------------------------------------------------

Ep 43/50 | Reward 4413.40 | Loss 481238583.26 | Dist 867.55 | Vehl 4

Vehicle 0: Route=[0, 34, 22, 19, 17, 16, 14, 15, 18, 32, 9, 12, 11, 41, 13, 8, 7, 47, 50, 20, 1, 3, 4, 2, 5, 24, 0], Distance=318.36, RemCap=4.0

Vehicle 1: Route=[0, 45, 10, 25, 28, 31, 40, 26, 35, 6, 44, 49, 0], Distance=247.37, RemCap=291.0

Vehicle 2: Route=[0, 38, 36, 39, 48, 33, 46, 21, 30, 0], Distance=181.98, RemCap=325.0

Vehicle 3: Route=[0, 23, 29, 43, 27, 42, 37, 0], Distance=119.84, RemCap=370.0

Total vehicle waiting time = 0.00

Total customer waiting time = 22632.23

--------------------------------------------------

Ep 44/50 | Reward 5117.49 | Loss 700042334.06 | Dist 977.93 | Vehl 4

Vehicle 0: Route=[0, 27, 37, 11, 9, 12, 10, 13, 38, 8, 7, 6, 5, 2, 4, 3, 1, 20, 23, 40, 19, 17, 16, 14, 15, 18, 22, 0], Distance=318.93, RemCap=3.0

Vehicle 1: Route=[0, 45, 28, 33, 49, 36, 43, 29, 47, 26, 30, 0], Distance=228.77, RemCap=277.0

Vehicle 2: Route=[0, 21, 50, 24, 42, 41, 39, 25, 32, 0], Distance=252.82, RemCap=314.0

Vehicle 3: Route=[0, 35, 44, 48, 34, 46, 31, 0], Distance=177.42, RemCap=396.0

Total vehicle waiting time = 0.00

Total customer waiting time = 20168.49

--------------------------------------------------

Ep 45/50 | Reward 4924.27 | Loss 592894428.16 | Dist 852.27 | Vehl 4

Vehicle 0: Route=[0, 19, 17, 16, 31, 14, 15, 28, 18, 9, 12, 10, 11, 41, 13, 8, 7, 6, 5, 2, 4, 3, 1, 20, 50, 27, 0], Distance=298.15, RemCap=1.0

Vehicle 1: Route=[0, 45, 40, 22, 25, 46, 42, 49, 43, 47, 26, 21, 0], Distance=216.82, RemCap=329.0

Vehicle 2: Route=[0, 33, 48, 39, 32, 23, 29, 24, 35, 0], Distance=190.59, RemCap=295.0

Vehicle 3: Route=[0, 30, 34, 37, 38, 36, 44, 0], Distance=146.70, RemCap=365.0

Total vehicle waiting time = 0.00

Total customer waiting time = 20792.95

--------------------------------------------------

Ep 46/50 | Reward 4618.34 | Loss 522286096.09 | Dist 924.29 | Vehl 4

Vehicle 0: Route=[0, 45, 19, 17, 16, 14, 15, 28, 18, 9, 12, 10, 11, 13, 33, 42, 6, 8, 7, 27, 2, 5, 4, 3, 1, 20, 30, 0], Distance=296.09, RemCap=6.0

Vehicle 1: Route=[0, 38, 36, 29, 50, 31, 40, 46, 32, 39, 48, 41, 0], Distance=267.94, RemCap=222.0

Vehicle 2: Route=[0, 35, 49, 44, 43, 23, 22, 34, 0], Distance=164.11, RemCap=381.0

Vehicle 3: Route=[0, 37, 24, 47, 26, 21, 25, 0], Distance=196.15, RemCap=381.0

Total vehicle waiting time = 0.00

Total customer waiting time = 22985.29

--------------------------------------------------

Ep 47/50 | Reward 4520.26 | Loss 475940524.24 | Dist 899.02 | Vehl 4

Vehicle 0: Route=[0, 44, 8, 7, 6, 5, 2, 4, 3, 1, 20, 19, 17, 16, 31, 14, 15, 18, 32, 9, 12, 10, 11, 13, 41, 0], Distance=275.31, RemCap=9.0

Vehicle 1: Route=[0, 35, 49, 38, 27, 47, 21, 23, 40, 22, 25, 39, 0], Distance=227.55, RemCap=289.0

Vehicle 2: Route=[0, 42, 33, 46, 28, 45, 50, 26, 43, 0], Distance=211.69, RemCap=357.0

Vehicle 3: Route=[0, 37, 34, 48, 36, 24, 29, 30, 0], Distance=184.47, RemCap=335.0

Total vehicle waiting time = 0.00

Total customer waiting time = 21657.26

--------------------------------------------------

Ep 48/50 | Reward 4615.12 | Loss 493132433.81 | Dist 975.55 | Vehl 4

Vehicle 0: Route=[0, 45, 37, 27, 2, 1, 4, 29, 43, 5, 6, 7, 8, 13, 11, 10, 12, 9, 18, 15, 14, 16, 17, 19, 20, 21, 0], Distance=303.15, RemCap=2.0

Vehicle 1: Route=[0, 47, 24, 3, 50, 34, 33, 39, 46, 22, 40, 0], Distance=229.86, RemCap=321.0

Vehicle 2: Route=[0, 48, 41, 42, 44, 38, 35, 30, 31, 0], Distance=227.86, RemCap=308.0

Vehicle 3: Route=[0, 49, 36, 26, 23, 28, 25, 32, 0], Distance=214.68, RemCap=359.0

Total vehicle waiting time = 0.00

Total customer waiting time = 21517.56

--------------------------------------------------

Ep 49/50 | Reward 4609.54 | Loss 523251815.89 | Dist 945.93 | Vehl 4

Vehicle 0: Route=[0, 45, 11, 10, 9, 12, 13, 8, 7, 6, 24, 5, 29, 4, 3, 1, 2, 27, 20, 31, 14, 15, 18, 16, 19, 22, 0], Distance=316.37, RemCap=5.0

Vehicle 1: Route=[0, 37, 33, 44, 41, 39, 32, 40, 30, 17, 25, 0], Distance=264.35, RemCap=287.0

Vehicle 2: Route=[0, 47, 21, 28, 46, 42, 49, 38, 36, 0], Distance=194.61, RemCap=344.0

Vehicle 3: Route=[0, 34, 48, 35, 43, 26, 50, 23, 0], Distance=170.60, RemCap=354.0

Total vehicle waiting time = 0.00

Total customer waiting time = 21944.19

--------------------------------------------------

Ep 50/50 | Reward 4511.41 | Loss 465129538.57 | Dist 822.74 | Vehl 4

Vehicle 0: Route=[0, 21, 30, 20, 1, 3, 4, 5, 24, 6, 7, 8, 36, 13, 11, 10, 12, 9, 25, 18, 15, 14, 31, 16, 17, 19, 34, 0], Distance=279.89, RemCap=1.0

Vehicle 1: Route=[0, 40, 46, 33, 44, 38, 27, 2, 43, 29, 47, 50, 0], Distance=206.18, RemCap=254.0

Vehicle 2: Route=[0, 49, 35, 26, 23, 22, 32, 41, 0], Distance=195.05, RemCap=329.0

Vehicle 3: Route=[0, 45, 28, 48, 39, 42, 37, 0], Distance=141.62, RemCap=406.0

Total vehicle waiting time = 0.00

Total customer waiting time = 21992.61

--------------------------------------------------

--- Training with max\_vehicles = 5 ---

Ep 1/50 | Reward 4645.85 | Loss 556003943.42 | Dist 1030.27 | Vehl 5

Vehicle 0: Route=[0, 13, 39, 12, 9, 10, 11, 25, 15, 14, 16, 17, 19, 20, 1, 3, 4, 2, 5, 24, 8, 7, 6, 42, 49, 44, 0], Distance=312.58, RemCap=5.0

Vehicle 1: Route=[0, 36, 38, 33, 32, 18, 50, 23, 40, 22, 0], Distance=234.37, RemCap=330.0

Vehicle 2: Route=[0, 43, 21, 30, 45, 46, 41, 48, 0], Distance=165.10, RemCap=359.0

Vehicle 3: Route=[0, 31, 34, 37, 27, 0], Distance=130.11, RemCap=426.0

Vehicle 4: Route=[0, 35, 29, 47, 28, 26, 0], Distance=188.11, RemCap=370.0

Total vehicle waiting time = 0.00

Total customer waiting time = 20730.96

--------------------------------------------------

Ep 2/50 | Reward 4090.10 | Loss 410216458.69 | Dist 1041.25 | Vehl 5

Vehicle 0: Route=[0, 23, 20, 1, 3, 4, 2, 43, 6, 7, 8, 49, 13, 11, 10, 12, 9, 18, 15, 14, 17, 19, 34, 33, 37, 42, 0], Distance=302.50, RemCap=13.0

Vehicle 1: Route=[0, 5, 24, 27, 35, 39, 32, 46, 28, 16, 22, 0], Distance=212.49, RemCap=302.0

Vehicle 2: Route=[0, 31, 41, 38, 0], Distance=158.06, RemCap=400.0

Vehicle 3: Route=[0, 48, 30, 50, 29, 36, 44, 0], Distance=209.20, RemCap=370.0

Vehicle 4: Route=[0, 45, 25, 40, 47, 21, 26, 0], Distance=158.99, RemCap=405.0

Total vehicle waiting time = 0.00

Total customer waiting time = 22436.10

--------------------------------------------------

Ep 3/50 | Reward 4687.39 | Loss 586902758.38 | Dist 882.51 | Vehl 5

Vehicle 0: Route=[0, 40, 19, 17, 16, 14, 15, 18, 9, 12, 10, 11, 13, 8, 7, 5, 29, 4, 3, 1, 2, 23, 50, 20, 26, 21, 0], Distance=287.36, RemCap=1.0

Vehicle 1: Route=[0, 37, 24, 6, 44, 49, 42, 41, 32, 33, 0], Distance=169.17, RemCap=301.0

Vehicle 2: Route=[0, 27, 46, 28, 22, 0], Distance=121.27, RemCap=450.0

Vehicle 3: Route=[0, 35, 45, 48, 39, 38, 36, 0], Distance=133.99, RemCap=360.0

Vehicle 4: Route=[0, 43, 47, 30, 31, 25, 34, 0], Distance=170.71, RemCap=378.0

Total vehicle waiting time = 0.00

Total customer waiting time = 19447.53

--------------------------------------------------

Ep 4/50 | Reward 5007.69 | Loss 687755313.95 | Dist 933.42 | Vehl 5

Vehicle 0: Route=[0, 45, 34, 13, 39, 12, 9, 10, 11, 18, 15, 14, 16, 17, 19, 50, 20, 21, 1, 3, 4, 2, 5, 6, 7, 8, 44, 0], Distance=285.83, RemCap=8.0

Vehicle 1: Route=[0, 23, 30, 47, 29, 38, 42, 41, 48, 46, 32, 0], Distance=213.59, RemCap=233.0

Vehicle 2: Route=[0, 26, 31, 40, 37, 36, 24, 0], Distance=218.78, RemCap=375.0

Vehicle 3: Route=[0, 33, 35, 27, 43, 49, 0], Distance=123.56, RemCap=397.0

Vehicle 4: Route=[0, 22, 28, 25, 0], Distance=91.67, RemCap=477.0

Total vehicle waiting time = 0.00

Total customer waiting time = 20142.49

--------------------------------------------------

Ep 5/50 | Reward 4470.63 | Loss 507810276.19 | Dist 1025.27 | Vehl 5

Vehicle 0: Route=[0, 45, 50, 20, 47, 1, 3, 29, 2, 5, 6, 7, 8, 13, 11, 10, 12, 9, 25, 15, 14, 31, 16, 17, 18, 19, 22, 0], Distance=299.84, RemCap=1.0

Vehicle 1: Route=[0, 30, 4, 43, 38, 41, 48, 40, 34, 33, 0], Distance=209.04, RemCap=295.0

Vehicle 2: Route=[0, 35, 46, 42, 49, 36, 0], Distance=116.86, RemCap=400.0

Vehicle 3: Route=[0, 26, 28, 37, 39, 0], Distance=188.94, RemCap=414.0

Vehicle 4: Route=[0, 23, 21, 32, 44, 27, 24, 0], Distance=210.58, RemCap=380.0

Total vehicle waiting time = 0.00

Total customer waiting time = 22001.97

--------------------------------------------------

Ep 6/50 | Reward 4289.53 | Loss 445170676.52 | Dist 1025.11 | Vehl 5

Vehicle 0: Route=[0, 2, 1, 3, 4, 29, 5, 24, 6, 7, 8, 12, 9, 10, 11, 18, 15, 14, 16, 17, 19, 20, 30, 45, 0], Distance=284.55, RemCap=7.0

Vehicle 1: Route=[0, 37, 34, 33, 13, 25, 40, 21, 43, 38, 27, 0], Distance=233.19, RemCap=330.0

Vehicle 2: Route=[0, 22, 31, 32, 44, 36, 0], Distance=171.48, RemCap=416.0

Vehicle 3: Route=[0, 23, 50, 26, 49, 42, 48, 0], Distance=170.03, RemCap=385.0

Vehicle 4: Route=[0, 28, 46, 39, 41, 35, 47, 0], Distance=165.85, RemCap=352.0

Total vehicle waiting time = 0.00

Total customer waiting time = 21909.78

--------------------------------------------------

Ep 7/50 | Reward 4295.60 | Loss 458899236.08 | Dist 1126.22 | Vehl 5

Vehicle 0: Route=[0, 35, 27, 6, 7, 8, 24, 5, 2, 4, 3, 1, 20, 40, 11, 10, 9, 25, 18, 19, 17, 16, 14, 15, 28, 0], Distance=305.87, RemCap=25.0

Vehicle 1: Route=[0, 49, 12, 46, 34, 26, 30, 22, 0], Distance=204.36, RemCap=370.0

Vehicle 2: Route=[0, 37, 13, 41, 32, 50, 43, 38, 0], Distance=208.95, RemCap=323.0

Vehicle 3: Route=[0, 23, 47, 29, 44, 39, 33, 0], Distance=176.49, RemCap=360.0

Vehicle 4: Route=[0, 36, 42, 48, 45, 21, 31, 0], Distance=230.56, RemCap=412.0

Total vehicle waiting time = 0.00

Total customer waiting time = 21518.27

--------------------------------------------------

Ep 8/50 | Reward 4238.54 | Loss 441554336.10 | Dist 1049.54 | Vehl 5

Vehicle 0: Route=[0, 37, 11, 10, 12, 9, 32, 18, 15, 14, 16, 17, 19, 20, 21, 1, 3, 4, 2, 5, 6, 49, 44, 8, 7, 24, 0], Distance=299.62, RemCap=3.0

Vehicle 1: Route=[0, 43, 35, 34, 40, 28, 46, 41, 13, 39, 0], Distance=198.15, RemCap=317.0

Vehicle 2: Route=[0, 23, 26, 25, 38, 0], Distance=181.65, RemCap=400.0

Vehicle 3: Route=[0, 48, 31, 50, 29, 27, 36, 42, 0], Distance=246.85, RemCap=356.0

Vehicle 4: Route=[0, 47, 30, 45, 22, 33, 0], Distance=123.26, RemCap=414.0

Total vehicle waiting time = 0.00

Total customer waiting time = 22375.93

--------------------------------------------------

Ep 9/50 | Reward 4203.73 | Loss 448751977.61 | Dist 982.29 | Vehl 5

Vehicle 0: Route=[0, 45, 37, 6, 7, 8, 24, 2, 4, 3, 1, 26, 20, 21, 19, 17, 14, 15, 18, 46, 11, 12, 9, 10, 48, 0], Distance=294.10, RemCap=23.0

Vehicle 1: Route=[0, 23, 50, 31, 16, 33, 49, 44, 5, 43, 0], Distance=224.78, RemCap=343.0

Vehicle 2: Route=[0, 41, 13, 42, 35, 27, 0], Distance=87.63, RemCap=389.0

Vehicle 3: Route=[0, 30, 40, 34, 39, 22, 25, 28, 0], Distance=203.14, RemCap=389.0

Vehicle 4: Route=[0, 32, 47, 29, 36, 38, 0], Distance=172.64, RemCap=346.0

Total vehicle waiting time = 0.00

Total customer waiting time = 21307.30

--------------------------------------------------

Ep 10/50 | Reward 4696.77 | Loss 581056282.46 | Dist 1002.70 | Vehl 5

Vehicle 0: Route=[0, 45, 40, 19, 17, 16, 14, 15, 18, 32, 9, 12, 10, 11, 13, 37, 6, 7, 8, 24, 5, 2, 4, 3, 1, 20, 21, 0], Distance=289.53, RemCap=1.0

Vehicle 1: Route=[0, 35, 47, 30, 23, 34, 39, 49, 38, 36, 0], Distance=189.22, RemCap=271.0

Vehicle 2: Route=[0, 50, 31, 25, 46, 41, 33, 0], Distance=168.66, RemCap=375.0

Vehicle 3: Route=[0, 26, 29, 27, 44, 48, 22, 0], Distance=198.39, RemCap=388.0

Vehicle 4: Route=[0, 43, 42, 28, 0], Distance=156.91, RemCap=455.0

Total vehicle waiting time = 0.00

Total customer waiting time = 20087.83

--------------------------------------------------

Ep 11/50 | Reward 4230.32 | Loss 433193034.50 | Dist 1039.36 | Vehl 5

Vehicle 0: Route=[0, 2, 1, 4, 5, 6, 7, 8, 49, 42, 34, 22, 19, 17, 16, 14, 15, 9, 12, 10, 48, 11, 13, 41, 0], Distance=257.55, RemCap=63.0

Vehicle 1: Route=[0, 44, 43, 3, 26, 20, 31, 18, 45, 46, 0], Distance=243.94, RemCap=329.0

Vehicle 2: Route=[0, 27, 39, 32, 40, 23, 21, 0], Distance=167.53, RemCap=381.0

Vehicle 3: Route=[0, 35, 24, 47, 28, 33, 37, 0], Distance=164.85, RemCap=377.0

Vehicle 4: Route=[0, 25, 50, 30, 29, 36, 38, 0], Distance=205.48, RemCap=340.0

Total vehicle waiting time = 0.00

Total customer waiting time = 21968.94

--------------------------------------------------

Ep 12/50 | Reward 5035.62 | Loss 704565593.45 | Dist 950.33 | Vehl 5

Vehicle 0: Route=[0, 23, 20, 1, 3, 4, 2, 5, 6, 7, 8, 13, 11, 48, 10, 12, 9, 18, 28, 15, 14, 16, 17, 19, 46, 34, 37, 42, 0], Distance=302.08, RemCap=2.0

Vehicle 1: Route=[0, 27, 43, 47, 26, 21, 45, 39, 32, 25, 40, 0], Distance=225.52, RemCap=305.0

Vehicle 2: Route=[0, 35, 36, 49, 31, 50, 30, 0], Distance=197.18, RemCap=363.0

Vehicle 3: Route=[0, 33, 41, 38, 44, 0], Distance=100.79, RemCap=393.0

Vehicle 4: Route=[0, 24, 29, 22, 0], Distance=124.75, RemCap=427.0

Total vehicle waiting time = 0.00

Total customer waiting time = 19152.36

--------------------------------------------------

Ep 13/50 | Reward 4423.55 | Loss 481239610.15 | Dist 1032.46 | Vehl 5

Vehicle 0: Route=[0, 47, 1, 3, 4, 5, 2, 27, 6, 7, 49, 13, 10, 9, 11, 33, 25, 18, 15, 14, 31, 16, 17, 19, 20, 21, 40, 0], Distance=315.36, RemCap=12.0

Vehicle 1: Route=[0, 35, 8, 30, 28, 32, 46, 34, 0], Distance=208.66, RemCap=345.0

Vehicle 2: Route=[0, 50, 29, 43, 42, 12, 44, 0], Distance=212.44, RemCap=385.0

Vehicle 3: Route=[0, 39, 48, 23, 26, 24, 36, 38, 0], Distance=210.61, RemCap=320.0

Vehicle 4: Route=[0, 45, 37, 41, 22, 0], Distance=85.39, RemCap=428.0

Total vehicle waiting time = 0.00

Total customer waiting time = 21641.21

--------------------------------------------------

Ep 14/50 | Reward 4347.54 | Loss 459066842.95 | Dist 1047.66 | Vehl 5

Vehicle 0: Route=[0, 45, 34, 33, 13, 11, 10, 9, 18, 28, 15, 14, 16, 17, 19, 50, 1, 3, 4, 5, 24, 2, 35, 6, 7, 8, 49, 0], Distance=309.60, RemCap=4.0

Vehicle 1: Route=[0, 32, 12, 38, 27, 21, 20, 30, 23, 0], Distance=189.95, RemCap=300.0

Vehicle 2: Route=[0, 43, 44, 37, 22, 39, 0], Distance=184.09, RemCap=421.0

Vehicle 3: Route=[0, 48, 46, 31, 26, 47, 0], Distance=174.63, RemCap=399.0

Vehicle 4: Route=[0, 29, 36, 42, 41, 25, 40, 0], Distance=189.38, RemCap=366.0

Total vehicle waiting time = 0.00

Total customer waiting time = 21868.50

--------------------------------------------------

Ep 15/50 | Reward 3960.71 | Loss 374544620.53 | Dist 971.06 | Vehl 5

Vehicle 0: Route=[0, 2, 3, 4, 5, 7, 8, 36, 44, 12, 9, 10, 11, 18, 15, 14, 31, 16, 17, 19, 50, 20, 45, 37, 33, 0], Distance=307.46, RemCap=44.0

Vehicle 1: Route=[0, 47, 43, 27, 35, 6, 42, 13, 34, 46, 0], Distance=160.37, RemCap=329.0

Vehicle 2: Route=[0, 24, 1, 30, 40, 41, 0], Distance=175.40, RemCap=371.0

Vehicle 3: Route=[0, 28, 25, 48, 39, 49, 38, 29, 0], Distance=195.88, RemCap=340.0

Vehicle 4: Route=[0, 32, 22, 23, 26, 21, 0], Distance=131.95, RemCap=406.0

Total vehicle waiting time = 0.00

Total customer waiting time = 22827.95

--------------------------------------------------

Ep 16/50 | Reward 4365.77 | Loss 489041969.47 | Dist 976.75 | Vehl 5

Vehicle 0: Route=[0, 35, 8, 7, 5, 4, 3, 1, 2, 47, 26, 20, 19, 17, 16, 14, 15, 18, 25, 22, 9, 10, 13, 11, 34, 45, 0], Distance=293.65, RemCap=15.0

Vehicle 1: Route=[0, 30, 21, 29, 24, 27, 6, 12, 28, 31, 0], Distance=258.17, RemCap=311.0

Vehicle 2: Route=[0, 23, 43, 38, 48, 39, 0], Distance=170.30, RemCap=380.0

Vehicle 3: Route=[0, 50, 40, 46, 37, 33, 0], Distance=123.87, RemCap=420.0

Vehicle 4: Route=[0, 32, 41, 42, 49, 36, 44, 0], Distance=130.77, RemCap=364.0

Total vehicle waiting time = 0.00

Total customer waiting time = 21531.85

--------------------------------------------------

Ep 17/50 | Reward 4058.24 | Loss 391050518.06 | Dist 1087.15 | Vehl 5

Vehicle 0: Route=[0, 50, 20, 1, 3, 4, 2, 24, 6, 7, 8, 13, 41, 11, 10, 12, 9, 32, 25, 15, 14, 16, 19, 22, 45, 0], Distance=278.72, RemCap=13.0

Vehicle 1: Route=[0, 35, 38, 5, 21, 31, 18, 39, 46, 0], Distance=246.01, RemCap=325.0

Vehicle 2: Route=[0, 34, 17, 30, 47, 29, 27, 0], Distance=163.34, RemCap=349.0

Vehicle 3: Route=[0, 43, 44, 37, 33, 28, 26, 0], Distance=220.42, RemCap=397.0

Vehicle 4: Route=[0, 23, 40, 42, 36, 49, 48, 0], Distance=178.66, RemCap=406.0

Total vehicle waiting time = 0.00

Total customer waiting time = 21978.20

--------------------------------------------------

Ep 18/50 | Reward 4783.52 | Loss 602704888.15 | Dist 950.26 | Vehl 5

Vehicle 0: Route=[0, 47, 1, 3, 4, 2, 5, 6, 7, 8, 13, 39, 12, 9, 10, 11, 18, 28, 15, 14, 16, 17, 23, 26, 20, 50, 0], Distance=291.14, RemCap=7.0

Vehicle 1: Route=[0, 35, 27, 36, 44, 38, 42, 46, 19, 31, 0], Distance=170.36, RemCap=301.0

Vehicle 2: Route=[0, 29, 43, 49, 48, 37, 33, 0], Distance=146.12, RemCap=377.0

Vehicle 3: Route=[0, 24, 30, 40, 22, 32, 0], Distance=172.79, RemCap=397.0

Vehicle 4: Route=[0, 21, 45, 34, 41, 25, 0], Distance=169.86, RemCap=408.0

Total vehicle waiting time = 0.00

Total customer waiting time = 19329.41

--------------------------------------------------

Ep 19/50 | Reward 4342.05 | Loss 457892376.00 | Dist 1030.05 | Vehl 5

Vehicle 0: Route=[0, 19, 17, 16, 14, 15, 18, 32, 9, 12, 39, 10, 11, 13, 44, 8, 7, 6, 27, 2, 5, 4, 1, 23, 20, 21, 0], Distance=287.73, RemCap=0.0

Vehicle 1: Route=[0, 26, 3, 43, 37, 34, 28, 46, 33, 36, 0], Distance=256.29, RemCap=340.0

Vehicle 2: Route=[0, 50, 30, 35, 42, 48, 49, 0], Distance=176.45, RemCap=378.0

Vehicle 3: Route=[0, 47, 38, 41, 25, 31, 45, 0], Distance=181.01, RemCap=354.0

Vehicle 4: Route=[0, 22, 40, 24, 29, 0], Distance=128.57, RemCap=418.0

Total vehicle waiting time = 0.00

Total customer waiting time = 22730.06

--------------------------------------------------

Ep 20/50 | Reward 4482.53 | Loss 479605909.73 | Dist 1066.12 | Vehl 5

Vehicle 0: Route=[0, 36, 8, 7, 6, 2, 4, 3, 1, 26, 20, 45, 22, 19, 17, 16, 14, 15, 18, 46, 11, 13, 10, 9, 12, 39, 0], Distance=300.66, RemCap=16.0

Vehicle 1: Route=[0, 37, 35, 49, 24, 5, 29, 30, 28, 32, 0], Distance=236.99, RemCap=276.0

Vehicle 2: Route=[0, 47, 38, 48, 33, 40, 25, 0], Distance=185.44, RemCap=391.0

Vehicle 3: Route=[0, 27, 23, 50, 31, 34, 0], Distance=158.07, RemCap=402.0

Vehicle 4: Route=[0, 21, 43, 42, 41, 44, 0], Distance=184.96, RemCap=405.0

Total vehicle waiting time = 0.00

Total customer waiting time = 19546.92

--------------------------------------------------

Ep 21/50 | Reward 4239.47 | Loss 430607155.22 | Dist 1050.00 | Vehl 5

Vehicle 0: Route=[0, 6, 8, 24, 5, 43, 2, 4, 3, 1, 20, 50, 19, 17, 16, 14, 15, 18, 9, 12, 10, 11, 34, 37, 0], Distance=272.66, RemCap=25.0

Vehicle 1: Route=[0, 30, 7, 36, 38, 42, 46, 13, 48, 39, 0], Distance=206.57, RemCap=317.0

Vehicle 2: Route=[0, 21, 29, 44, 41, 33, 25, 32, 0], Distance=242.54, RemCap=342.0

Vehicle 3: Route=[0, 45, 28, 22, 35, 47, 26, 23, 0], Distance=168.08, RemCap=374.0

Vehicle 4: Route=[0, 40, 31, 27, 49, 0], Distance=160.15, RemCap=432.0

Total vehicle waiting time = 0.00

Total customer waiting time = 21037.87

--------------------------------------------------

Ep 22/50 | Reward 4564.10 | Loss 538697336.14 | Dist 975.34 | Vehl 5

Vehicle 0: Route=[0, 44, 36, 8, 7, 6, 27, 2, 5, 4, 3, 1, 20, 16, 14, 15, 18, 17, 19, 22, 11, 48, 10, 9, 12, 39, 13, 40, 0], Distance=313.01, RemCap=9.0

Vehicle 1: Route=[0, 23, 26, 47, 43, 38, 49, 41, 25, 0], Distance=220.11, RemCap=297.0

Vehicle 2: Route=[0, 35, 21, 50, 31, 46, 42, 0], Distance=171.67, RemCap=390.0

Vehicle 3: Route=[0, 29, 24, 34, 32, 33, 37, 0], Distance=149.25, RemCap=347.0

Vehicle 4: Route=[0, 45, 28, 30, 0], Distance=121.30, RemCap=447.0

Total vehicle waiting time = 0.00

Total customer waiting time = 20192.97

--------------------------------------------------

Ep 23/50 | Reward 4678.40 | Loss 560036443.08 | Dist 995.03 | Vehl 5

Vehicle 0: Route=[0, 42, 13, 11, 10, 12, 9, 22, 40, 18, 15, 14, 16, 17, 19, 50, 20, 1, 3, 4, 29, 2, 5, 8, 7, 27, 47, 0], Distance=310.69, RemCap=1.0

Vehicle 1: Route=[0, 45, 26, 24, 6, 44, 41, 48, 39, 0], Distance=195.78, RemCap=317.0

Vehicle 2: Route=[0, 43, 38, 49, 34, 25, 21, 0], Distance=206.63, RemCap=381.0

Vehicle 3: Route=[0, 33, 31, 28, 32, 36, 35, 0], Distance=181.47, RemCap=375.0

Vehicle 4: Route=[0, 37, 46, 23, 30, 0], Distance=100.45, RemCap=416.0

Total vehicle waiting time = 0.00

Total customer waiting time = 20593.63

--------------------------------------------------

Ep 24/50 | Reward 4432.48 | Loss 476241615.04 | Dist 1029.67 | Vehl 5

Vehicle 0: Route=[0, 37, 13, 39, 12, 9, 10, 11, 18, 15, 14, 16, 17, 19, 50, 21, 1, 3, 4, 5, 2, 27, 35, 6, 7, 8, 42, 0], Distance=297.38, RemCap=13.0

Vehicle 1: Route=[0, 38, 36, 49, 32, 46, 20, 26, 47, 29, 0], Distance=222.64, RemCap=238.0

Vehicle 2: Route=[0, 45, 31, 28, 44, 43, 23, 0], Distance=218.09, RemCap=407.0

Vehicle 3: Route=[0, 24, 30, 34, 48, 33, 0], Distance=171.27, RemCap=394.0

Vehicle 4: Route=[0, 41, 25, 40, 22, 0], Distance=120.29, RemCap=438.0

Total vehicle waiting time = 0.00

Total customer waiting time = 21798.89

--------------------------------------------------

Ep 25/50 | Reward 4892.08 | Loss 623011448.66 | Dist 978.27 | Vehl 5

Vehicle 0: Route=[0, 45, 19, 17, 16, 14, 15, 18, 22, 46, 9, 12, 10, 11, 13, 38, 8, 7, 6, 24, 5, 2, 4, 3, 1, 26, 0], Distance=279.08, RemCap=16.0

Vehicle 1: Route=[0, 32, 25, 50, 20, 21, 47, 29, 27, 49, 0], Distance=226.31, RemCap=287.0

Vehicle 2: Route=[0, 36, 39, 41, 28, 40, 33, 37, 0], Distance=183.66, RemCap=358.0

Vehicle 3: Route=[0, 35, 43, 23, 30, 31, 34, 42, 0], Distance=189.47, RemCap=349.0

Vehicle 4: Route=[0, 48, 44, 0], Distance=99.75, RemCap=480.0

Total vehicle waiting time = 0.00

Total customer waiting time = 20890.67

--------------------------------------------------

Ep 26/50 | Reward 4645.21 | Loss 537510164.70 | Dist 1046.89 | Vehl 5

Vehicle 0: Route=[0, 35, 2, 1, 3, 4, 5, 6, 7, 8, 49, 42, 13, 12, 9, 10, 11, 19, 18, 15, 14, 16, 17, 20, 30, 21, 0], Distance=287.75, RemCap=8.0

Vehicle 1: Route=[0, 47, 43, 26, 40, 22, 46, 34, 48, 39, 0], Distance=189.82, RemCap=338.0

Vehicle 2: Route=[0, 23, 31, 41, 44, 38, 27, 24, 0], Distance=227.59, RemCap=321.0

Vehicle 3: Route=[0, 33, 25, 28, 45, 29, 36, 0], Distance=197.45, RemCap=390.0

Vehicle 4: Route=[0, 50, 37, 32, 0], Distance=144.28, RemCap=433.0

Total vehicle waiting time = 0.00

Total customer waiting time = 20194.48

--------------------------------------------------

Ep 27/50 | Reward 4377.74 | Loss 480214430.67 | Dist 1038.13 | Vehl 5

Vehicle 0: Route=[0, 6, 8, 7, 2, 29, 4, 3, 1, 20, 40, 19, 17, 16, 31, 15, 18, 25, 9, 12, 10, 48, 11, 41, 13, 37, 0], Distance=274.47, RemCap=15.0

Vehicle 1: Route=[0, 46, 32, 14, 50, 23, 43, 5, 35, 38, 0], Distance=241.08, RemCap=274.0

Vehicle 2: Route=[0, 30, 26, 27, 39, 49, 0], Distance=180.82, RemCap=371.0

Vehicle 3: Route=[0, 24, 21, 28, 45, 33, 34, 0], Distance=198.08, RemCap=401.0

Vehicle 4: Route=[0, 47, 22, 42, 36, 44, 0], Distance=143.68, RemCap=429.0

Total vehicle waiting time = 0.00

Total customer waiting time = 22239.12

--------------------------------------------------

Ep 28/50 | Reward 4283.80 | Loss 440931058.07 | Dist 1065.48 | Vehl 5

Vehicle 0: Route=[0, 40, 19, 18, 15, 14, 16, 17, 20, 1, 3, 29, 2, 5, 6, 7, 8, 39, 12, 9, 10, 11, 13, 33, 34, 0], Distance=283.56, RemCap=15.0

Vehicle 1: Route=[0, 22, 25, 49, 38, 24, 4, 30, 21, 0], Distance=219.18, RemCap=337.0

Vehicle 2: Route=[0, 27, 35, 45, 46, 50, 26, 0], Distance=140.55, RemCap=373.0

Vehicle 3: Route=[0, 47, 36, 42, 48, 31, 23, 0], Distance=215.98, RemCap=392.0

Vehicle 4: Route=[0, 43, 44, 37, 28, 32, 41, 0], Distance=206.20, RemCap=373.0

Total vehicle waiting time = 0.00

Total customer waiting time = 22986.56

--------------------------------------------------

Ep 29/50 | Reward 5054.90 | Loss 676082609.87 | Dist 1031.78 | Vehl 5

Vehicle 0: Route=[0, 13, 11, 10, 12, 9, 18, 28, 15, 14, 16, 17, 19, 45, 20, 1, 3, 4, 29, 2, 5, 7, 8, 6, 27, 47, 0], Distance=309.57, RemCap=5.0

Vehicle 1: Route=[0, 24, 42, 41, 34, 46, 22, 40, 50, 26, 0], Distance=200.45, RemCap=316.0

Vehicle 2: Route=[0, 23, 21, 31, 33, 37, 44, 43, 0], Distance=219.11, RemCap=387.0

Vehicle 3: Route=[0, 35, 48, 39, 32, 30, 0], Distance=155.90, RemCap=372.0

Vehicle 4: Route=[0, 38, 36, 49, 25, 0], Distance=146.75, RemCap=410.0

Total vehicle waiting time = 0.00

Total customer waiting time = 20217.92

--------------------------------------------------

Ep 30/50 | Reward 4155.55 | Loss 416821274.75 | Dist 1169.23 | Vehl 5

Vehicle 0: Route=[0, 45, 34, 13, 11, 48, 10, 9, 18, 15, 16, 17, 19, 21, 23, 35, 49, 8, 7, 6, 5, 2, 1, 3, 4, 29, 0], Distance=298.10, RemCap=31.0

Vehicle 1: Route=[0, 37, 12, 44, 38, 43, 47, 20, 40, 14, 32, 0], Distance=286.64, RemCap=271.0

Vehicle 2: Route=[0, 36, 26, 28, 46, 39, 33, 0], Distance=235.52, RemCap=375.0

Vehicle 3: Route=[0, 50, 41, 22, 31, 25, 0], Distance=205.72, RemCap=407.0

Vehicle 4: Route=[0, 30, 42, 24, 27, 0], Distance=143.25, RemCap=406.0

Total vehicle waiting time = 0.00

Total customer waiting time = 22647.85

--------------------------------------------------

Ep 31/50 | Reward 4967.26 | Loss 627708005.83 | Dist 1024.97 | Vehl 5

Vehicle 0: Route=[0, 20, 1, 3, 4, 2, 5, 6, 7, 8, 13, 41, 11, 10, 39, 12, 9, 32, 18, 15, 14, 16, 17, 19, 22, 0], Distance=276.76, RemCap=6.0

Vehicle 1: Route=[0, 23, 26, 47, 27, 24, 38, 44, 49, 48, 28, 0], Distance=238.78, RemCap=288.0

Vehicle 2: Route=[0, 43, 50, 25, 34, 42, 36, 0], Distance=225.14, RemCap=396.0

Vehicle 3: Route=[0, 45, 31, 21, 29, 35, 0], Distance=161.17, RemCap=390.0

Vehicle 4: Route=[0, 37, 33, 46, 30, 40, 0], Distance=123.11, RemCap=410.0

Total vehicle waiting time = 0.00

Total customer waiting time = 19231.33

--------------------------------------------------

Ep 32/50 | Reward 4960.35 | Loss 623126464.05 | Dist 977.21 | Vehl 5

Vehicle 0: Route=[0, 21, 20, 1, 3, 4, 2, 43, 5, 7, 8, 6, 42, 13, 11, 10, 12, 9, 18, 28, 15, 14, 16, 17, 19, 40, 34, 33, 0], Distance=292.53, RemCap=10.0

Vehicle 1: Route=[0, 37, 48, 41, 36, 24, 47, 30, 35, 0], Distance=187.17, RemCap=304.0

Vehicle 2: Route=[0, 44, 38, 27, 23, 50, 31, 25, 0], Distance=201.99, RemCap=361.0

Vehicle 3: Route=[0, 39, 32, 45, 26, 0], Distance=154.95, RemCap=396.0

Vehicle 4: Route=[0, 29, 49, 46, 22, 0], Distance=140.57, RemCap=419.0

Total vehicle waiting time = 0.00

Total customer waiting time = 19896.54

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Ep 33/50 | Reward 4677.81 | Loss 534552102.50 | Dist 959.21 | Vehl 5

Vehicle 0: Route=[0, 37, 13, 12, 9, 10, 11, 33, 34, 46, 18, 28, 15, 14, 16, 17, 19, 40, 20, 1, 3, 4, 2, 5, 7, 8, 6, 42, 0], Distance=298.40, RemCap=6.0

Vehicle 1: Route=[0, 35, 44, 36, 43, 29, 50, 31, 25, 0], Distance=216.81, RemCap=333.0

Vehicle 2: Route=[0, 24, 39, 41, 22, 23, 26, 30, 0], Distance=203.95, RemCap=317.0

Vehicle 3: Route=[0, 32, 48, 38, 27, 47, 21, 0], Distance=173.33, RemCap=367.0

Vehicle 4: Route=[0, 49, 45, 0], Distance=66.71, RemCap=467.0

Total vehicle waiting time = 0.00

Total customer waiting time = 21358.24

--------------------------------------------------

Ep 34/50 | Reward 4684.82 | Loss 559721993.63 | Dist 1009.22 | Vehl 5

Vehicle 0: Route=[0, 50, 20, 1, 3, 4, 2, 5, 24, 8, 7, 6, 42, 13, 11, 48, 10, 12, 9, 18, 15, 14, 16, 17, 19, 37, 33, 0], Distance=302.79, RemCap=2.0

Vehicle 1: Route=[0, 41, 46, 25, 28, 31, 23, 26, 47, 43, 38, 0], Distance=235.05, RemCap=269.0

Vehicle 2: Route=[0, 32, 30, 21, 27, 44, 35, 0], Distance=187.73, RemCap=373.0

Vehicle 3: Route=[0, 34, 22, 29, 36, 0], Distance=149.85, RemCap=418.0

Vehicle 4: Route=[0, 49, 39, 45, 40, 0], Distance=133.79, RemCap=428.0

Total vehicle waiting time = 0.00

Total customer waiting time = 21205.47

--------------------------------------------------

Ep 35/50 | Reward 4672.57 | Loss 539138037.01 | Dist 1044.86 | Vehl 5

Vehicle 0: Route=[0, 38, 36, 8, 7, 6, 5, 2, 4, 3, 1, 20, 31, 14, 15, 18, 16, 17, 19, 34, 11, 13, 12, 9, 10, 48, 0], Distance=289.10, RemCap=1.0

Vehicle 1: Route=[0, 49, 24, 47, 50, 28, 22, 40, 0], Distance=205.30, RemCap=385.0

Vehicle 2: Route=[0, 35, 45, 37, 41, 44, 43, 26, 0], Distance=187.94, RemCap=344.0

Vehicle 3: Route=[0, 25, 33, 42, 29, 23, 21, 0], Distance=197.17, RemCap=388.0

Vehicle 4: Route=[0, 27, 30, 46, 32, 39, 0], Distance=165.36, RemCap=372.0

Total vehicle waiting time = 0.00

Total customer waiting time = 20407.89

--------------------------------------------------

Ep 36/50 | Reward 4811.30 | Loss 583671963.45 | Dist 1065.29 | Vehl 5

Vehicle 0: Route=[0, 27, 2, 1, 3, 4, 43, 5, 6, 7, 8, 44, 13, 11, 10, 12, 9, 18, 15, 14, 16, 17, 19, 20, 23, 47, 0], Distance=289.88, RemCap=18.0

Vehicle 1: Route=[0, 26, 31, 32, 41, 38, 24, 36, 0], Distance=249.75, RemCap=289.0

Vehicle 2: Route=[0, 35, 49, 48, 34, 28, 30, 21, 0], Distance=193.95, RemCap=374.0

Vehicle 3: Route=[0, 29, 42, 33, 40, 22, 46, 39, 0], Distance=180.25, RemCap=368.0

Vehicle 4: Route=[0, 37, 45, 50, 25, 0], Distance=151.47, RemCap=441.0

Total vehicle waiting time = 0.00

Total customer waiting time = 20486.64

--------------------------------------------------

Ep 37/50 | Reward 4248.49 | Loss 412269691.75 | Dist 1041.52 | Vehl 5

Vehicle 0: Route=[0, 45, 23, 30, 20, 47, 2, 1, 3, 4, 5, 7, 8, 6, 42, 13, 11, 10, 12, 9, 18, 15, 14, 16, 17, 19, 40, 0], Distance=293.79, RemCap=0.0

Vehicle 1: Route=[0, 35, 27, 29, 50, 31, 28, 41, 37, 0], Distance=199.44, RemCap=308.0

Vehicle 2: Route=[0, 26, 22, 34, 44, 36, 43, 0], Distance=190.15, RemCap=398.0

Vehicle 3: Route=[0, 49, 33, 46, 25, 39, 0], Distance=171.12, RemCap=405.0

Vehicle 4: Route=[0, 32, 48, 38, 24, 21, 0], Distance=187.03, RemCap=379.0

Total vehicle waiting time = 0.00

Total customer waiting time = 22337.20

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Ep 38/50 | Reward 4496.16 | Loss 468210488.39 | Dist 961.35 | Vehl 5

Vehicle 0: Route=[0, 42, 44, 8, 7, 6, 27, 2, 43, 5, 4, 3, 1, 21, 23, 45, 40, 19, 17, 16, 14, 15, 18, 9, 12, 10, 11, 13, 33, 0], Distance=296.35, RemCap=17.0

Vehicle 1: Route=[0, 30, 20, 28, 34, 41, 48, 39, 38, 35, 0], Distance=213.55, RemCap=254.0

Vehicle 2: Route=[0, 24, 29, 47, 22, 46, 32, 25, 0], Distance=189.81, RemCap=345.0

Vehicle 3: Route=[0, 37, 36, 26, 50, 31, 0], Distance=205.73, RemCap=394.0

Vehicle 4: Route=[0, 49, 0], Distance=55.90, RemCap=480.0

Total vehicle waiting time = 0.00

Total customer waiting time = 23968.01

--------------------------------------------------

Ep 39/50 | Reward 4717.57 | Loss 556420107.56 | Dist 1019.89 | Vehl 5

Vehicle 0: Route=[0, 40, 19, 17, 16, 14, 15, 18, 46, 32, 9, 12, 10, 48, 11, 13, 36, 8, 7, 6, 5, 2, 4, 3, 1, 20, 23, 0], Distance=285.46, RemCap=2.0

Vehicle 1: Route=[0, 35, 49, 41, 28, 26, 45, 37, 33, 0], Distance=220.67, RemCap=327.0

Vehicle 2: Route=[0, 30, 50, 47, 27, 24, 43, 0], Distance=136.16, RemCap=358.0

Vehicle 3: Route=[0, 29, 34, 39, 31, 21, 0], Distance=233.27, RemCap=381.0

Vehicle 4: Route=[0, 38, 44, 42, 22, 25, 0], Distance=144.33, RemCap=422.0

Total vehicle waiting time = 0.00

Total customer waiting time = 20195.91

--------------------------------------------------

Ep 40/50 | Reward 4805.21 | Loss 575153845.05 | Dist 994.24 | Vehl 5

Vehicle 0: Route=[0, 23, 50, 20, 1, 3, 4, 5, 43, 2, 27, 6, 7, 8, 13, 12, 9, 10, 48, 19, 17, 16, 14, 15, 18, 28, 0], Distance=288.46, RemCap=21.0

Vehicle 1: Route=[0, 45, 22, 11, 41, 39, 49, 29, 0], Distance=162.60, RemCap=344.0

Vehicle 2: Route=[0, 35, 44, 34, 32, 46, 21, 0], Distance=178.98, RemCap=385.0

Vehicle 3: Route=[0, 26, 30, 25, 33, 42, 36, 38, 0], Distance=191.09, RemCap=338.0

Vehicle 4: Route=[0, 47, 24, 37, 40, 31, 0], Distance=173.12, RemCap=402.0

Total vehicle waiting time = 0.00

Total customer waiting time = 19639.38

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Ep 41/50 | Reward 5104.15 | Loss 661696288.44 | Dist 972.16 | Vehl 5

Vehicle 0: Route=[0, 44, 8, 38, 6, 7, 5, 2, 4, 3, 1, 26, 20, 19, 17, 16, 14, 15, 28, 18, 9, 12, 10, 13, 11, 34, 0], Distance=281.66, RemCap=1.0

Vehicle 1: Route=[0, 23, 30, 50, 47, 43, 49, 41, 46, 40, 25, 0], Distance=241.85, RemCap=290.0

Vehicle 2: Route=[0, 27, 42, 37, 45, 32, 33, 0], Distance=124.29, RemCap=389.0

Vehicle 3: Route=[0, 22, 48, 39, 36, 29, 24, 0], Distance=183.94, RemCap=367.0

Vehicle 4: Route=[0, 35, 31, 21, 0], Distance=140.42, RemCap=443.0

Total vehicle waiting time = 0.00

Total customer waiting time = 17818.13

--------------------------------------------------

Ep 42/50 | Reward 4323.25 | Loss 436933899.25 | Dist 1120.81 | Vehl 5

Vehicle 0: Route=[0, 37, 13, 11, 10, 12, 9, 18, 15, 14, 16, 17, 19, 20, 1, 3, 4, 29, 5, 2, 27, 6, 7, 8, 49, 0], Distance=278.24, RemCap=15.0

Vehicle 1: Route=[0, 45, 34, 32, 41, 38, 47, 21, 30, 40, 0], Distance=198.49, RemCap=285.0

Vehicle 2: Route=[0, 26, 43, 35, 36, 48, 22, 33, 0], Distance=219.89, RemCap=373.0

Vehicle 3: Route=[0, 23, 31, 46, 44, 42, 0], Distance=181.36, RemCap=417.0

Vehicle 4: Route=[0, 50, 24, 39, 28, 25, 0], Distance=242.83, RemCap=400.0

Total vehicle waiting time = 0.00

Total customer waiting time = 22138.60

--------------------------------------------------

Ep 43/50 | Reward 4778.52 | Loss 578953372.02 | Dist 972.38 | Vehl 5

Vehicle 0: Route=[0, 20, 26, 1, 3, 4, 2, 5, 6, 7, 8, 49, 13, 11, 48, 10, 12, 9, 25, 15, 14, 16, 17, 18, 19, 22, 46, 0], Distance=286.55, RemCap=19.0

Vehicle 1: Route=[0, 45, 33, 41, 44, 36, 47, 30, 40, 28, 31, 0], Distance=241.89, RemCap=308.0

Vehicle 2: Route=[0, 35, 29, 24, 37, 39, 0], Distance=151.40, RemCap=357.0

Vehicle 3: Route=[0, 23, 27, 38, 32, 34, 0], Distance=162.56, RemCap=371.0

Vehicle 4: Route=[0, 21, 50, 43, 42, 0], Distance=129.98, RemCap=435.0

Total vehicle waiting time = 0.00

Total customer waiting time = 20835.28

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Ep 44/50 | Reward 3981.97 | Loss 349757577.59 | Dist 1042.22 | Vehl 5

Vehicle 0: Route=[0, 45, 21, 26, 1, 3, 4, 2, 5, 6, 7, 8, 36, 13, 41, 11, 10, 12, 9, 32, 22, 19, 17, 16, 14, 18, 25, 0], Distance=290.26, RemCap=3.0

Vehicle 1: Route=[0, 29, 24, 38, 48, 34, 46, 0], Distance=156.00, RemCap=343.0

Vehicle 2: Route=[0, 27, 23, 30, 20, 15, 33, 39, 49, 0], Distance=230.79, RemCap=314.0

Vehicle 3: Route=[0, 40, 31, 37, 42, 43, 35, 0], Distance=168.90, RemCap=393.0

Vehicle 4: Route=[0, 44, 28, 50, 47, 0], Distance=196.27, RemCap=437.0

Total vehicle waiting time = 0.00

Total customer waiting time = 23927.68

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Ep 45/50 | Reward 4930.81 | Loss 600208135.87 | Dist 1019.45 | Vehl 5

Vehicle 0: Route=[0, 50, 20, 1, 3, 4, 2, 5, 6, 7, 8, 44, 13, 41, 11, 10, 12, 9, 46, 18, 15, 14, 16, 17, 19, 22, 37, 0], Distance=289.86, RemCap=3.0

Vehicle 1: Route=[0, 45, 30, 47, 43, 24, 42, 48, 32, 28, 40, 0], Distance=229.14, RemCap=309.0

Vehicle 2: Route=[0, 49, 38, 23, 26, 0], Distance=125.39, RemCap=390.0

Vehicle 3: Route=[0, 35, 27, 29, 36, 34, 21, 31, 0], Distance=244.20, RemCap=345.0

Vehicle 4: Route=[0, 33, 25, 39, 0], Distance=130.87, RemCap=443.0

Total vehicle waiting time = 0.00

Total customer waiting time = 20458.62

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Ep 46/50 | Reward 4054.84 | Loss 358807327.81 | Dist 1032.65 | Vehl 5

Vehicle 0: Route=[0, 45, 11, 48, 10, 9, 12, 13, 42, 44, 8, 7, 6, 24, 5, 2, 4, 3, 1, 20, 19, 17, 16, 15, 28, 18, 25, 0], Distance=290.70, RemCap=42.0

Vehicle 1: Route=[0, 35, 29, 21, 31, 32, 46, 0], Distance=185.39, RemCap=354.0

Vehicle 2: Route=[0, 47, 43, 26, 37, 39, 14, 22, 0], Distance=238.69, RemCap=348.0

Vehicle 3: Route=[0, 49, 41, 34, 40, 30, 23, 0], Distance=152.39, RemCap=362.0

Vehicle 4: Route=[0, 33, 50, 27, 36, 38, 0], Distance=165.48, RemCap=384.0

Total vehicle waiting time = 0.00

Total customer waiting time = 23285.02

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Ep 47/50 | Reward 4730.61 | Loss 545836213.77 | Dist 1038.96 | Vehl 5

Vehicle 0: Route=[0, 21, 20, 17, 16, 14, 15, 18, 19, 40, 48, 10, 9, 12, 13, 49, 44, 8, 7, 6, 5, 4, 3, 1, 2, 47, 35, 0], Distance=297.10, RemCap=11.0

Vehicle 1: Route=[0, 50, 43, 36, 42, 41, 11, 25, 0], Distance=232.71, RemCap=365.0

Vehicle 2: Route=[0, 24, 38, 37, 22, 46, 39, 0], Distance=174.51, RemCap=363.0

Vehicle 3: Route=[0, 29, 26, 31, 28, 45, 33, 0], Distance=190.10, RemCap=370.0

Vehicle 4: Route=[0, 34, 32, 30, 23, 27, 0], Distance=144.53, RemCap=381.0

Total vehicle waiting time = 0.00

Total customer waiting time = 20059.16

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Ep 48/50 | Reward 4919.50 | Loss 644050782.78 | Dist 990.21 | Vehl 5

Vehicle 0: Route=[0, 23, 20, 19, 17, 16, 14, 15, 18, 22, 11, 10, 9, 12, 13, 44, 8, 7, 6, 24, 5, 4, 3, 1, 2, 43, 35, 0], Distance=292.53, RemCap=0.0

Vehicle 1: Route=[0, 49, 27, 29, 26, 50, 45, 25, 41, 48, 39, 0], Distance=266.50, RemCap=268.0

Vehicle 2: Route=[0, 42, 33, 32, 28, 46, 34, 30, 0], Distance=184.08, RemCap=360.0

Vehicle 3: Route=[0, 40, 31, 38, 36, 0], Distance=157.93, RemCap=411.0

Vehicle 4: Route=[0, 37, 21, 47, 0], Distance=89.17, RemCap=451.0

Total vehicle waiting time = 0.00

Total customer waiting time = 19379.91

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Ep 49/50 | Reward 4900.00 | Loss 596132304.04 | Dist 936.29 | Vehl 5

Vehicle 0: Route=[0, 44, 8, 7, 6, 24, 5, 4, 3, 1, 2, 47, 21, 20, 19, 17, 16, 31, 14, 15, 18, 9, 12, 10, 13, 11, 40, 22, 0], Distance=318.72, RemCap=5.0

Vehicle 1: Route=[0, 33, 48, 41, 27, 49, 36, 38, 0], Distance=136.86, RemCap=334.0

Vehicle 2: Route=[0, 29, 26, 50, 30, 34, 42, 39, 0], Distance=198.64, RemCap=316.0

Vehicle 3: Route=[0, 35, 43, 23, 45, 37, 32, 25, 0], Distance=190.37, RemCap=363.0

Vehicle 4: Route=[0, 46, 28, 0], Distance=91.70, RemCap=472.0

Total vehicle waiting time = 0.00

Total customer waiting time = 20511.45

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Ep 50/50 | Reward 4792.54 | Loss 584353425.08 | Dist 1006.74 | Vehl 5

Vehicle 0: Route=[0, 13, 11, 10, 12, 9, 46, 18, 15, 14, 16, 17, 19, 20, 1, 3, 4, 29, 2, 5, 7, 6, 49, 44, 8, 36, 0], Distance=287.71, RemCap=2.0

Vehicle 1: Route=[0, 45, 37, 38, 24, 27, 23, 50, 22, 0], Distance=193.11, RemCap=339.0

Vehicle 2: Route=[0, 47, 43, 42, 34, 28, 21, 0], Distance=195.13, RemCap=403.0

Vehicle 3: Route=[0, 40, 33, 32, 41, 39, 0], Distance=122.22, RemCap=373.0

Vehicle 4: Route=[0, 48, 35, 26, 30, 31, 25, 0], Distance=208.56, RemCap=373.0

Total vehicle waiting time = 0.00

Total customer waiting time = 19699.61

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Saved results to F:/KLTN/code/output50\h50d30\_results.docx

[Done] exited with code=0 in 7958.394 seconds