State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3826

Max deceleration v: 21.7826

Max in front v: 2243.31

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3826

Max deceleration v: 21.7826

Max in front v: 3440.39

Speed limit v: 22.0982

Chosen v: 22.0982

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0116371

Delta velocity max: 0

Final v: 49.4861

Initial v: 49.4861

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3883

Max deceleration v: 21.7883

Max in front v: 2242.59

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3883

Max deceleration v: 21.7883

Max in front v: 3430.3

Speed limit v: 22.0982

Chosen v: 22.0982

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.00741107

Delta velocity max: 0

Final v: 49.4935

Initial v: 49.4935

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4944

Max deceleration v: 21.6944

Max in front v: 1686.31

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4944

Max deceleration v: 21.6944

Max in front v: 2568.14

Speed limit v: 22.0982

Chosen v: 22.0982

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.00213614

Delta velocity max: 0

Final v: 49.4957

Initial v: 49.4957

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3511

Max deceleration v: 21.7511

Max in front v: 2239.98

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3511

Max deceleration v: 21.7511

Max in front v: 3406.81

Speed limit v: 22.0982

Chosen v: 22.0982

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0351958

Delta velocity max: 0

Final v: 49.4957

Initial v: 49.4957

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3581

Max deceleration v: 21.7581

Max in front v: 2238.84

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3581

Max deceleration v: 21.7581

Max in front v: 3396.73

Speed limit v: 22.0982

Chosen v: 22.0982

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0299482

Delta velocity max: 0

Final v: 49.4957

Initial v: 49.4957

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.5116

Max deceleration v: 21.7116

Max in front v: 1668.3

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.5116

Max deceleration v: 21.7116

Max in front v: 2542.94

Speed limit v: 22.0982

Chosen v: 22.0982

Chosen state: KL

Proposed speed: 49.5

Delta velocity: -0.00752317

Delta velocity max: 0

Final v: 49.4881

Initial v: 49.4881

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4193

Max deceleration v: 21.8193

Max in front v: 2193.74

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4193

Max deceleration v: 21.8193

Max in front v: 3373.16

Speed limit v: 22.0982

Chosen v: 22.0982

Chosen state: KL

Proposed speed: 49.5

Delta velocity: -0.0157705

Delta velocity max: 0

Final v: 49.4724

Initial v: 49.4724

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.5233

Max deceleration v: 21.7233

Max in front v: 1626.23

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.5233

Max deceleration v: 21.7233

Max in front v: 2525.32

Speed limit v: 22.0982

Chosen v: 22.0982

Chosen state: KL

Proposed speed: 49.5

Delta velocity: -0.0140745

Delta velocity max: 0

Final v: 49.4583

Initial v: 49.4583

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3776

Max deceleration v: 21.7776

Max in front v: 2135.48

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3776

Max deceleration v: 21.7776

Max in front v: 3349.78

Speed limit v: 22.0982

Chosen v: 22.0982

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0153569

Delta velocity max: 0

Final v: 49.4736

Initial v: 49.4736

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3819

Max deceleration v: 21.7819

Max in front v: 2109.11

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3819

Max deceleration v: 21.7819

Max in front v: 3339.75

Speed limit v: 22.0982

Chosen v: 22.0982

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0121865

Delta velocity max: 0

Final v: 49.4858

Initial v: 49.4858

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3863

Max deceleration v: 21.7863

Max in front v: 2081.89

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3863

Max deceleration v: 21.7863

Max in front v: 3329.72

Speed limit v: 22.0982

Chosen v: 22.0982

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0089323

Delta velocity max: 0

Final v: 49.4948

Initial v: 49.4948

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3907

Max deceleration v: 21.7907

Max in front v: 2053.81

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3907

Max deceleration v: 21.7907

Max in front v: 3319.69

Speed limit v: 22.0982

Chosen v: 22.0982

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.00559421

Delta velocity max: 0

Final v: 49.4948

Initial v: 49.4948

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3953

Max deceleration v: 21.7953

Max in front v: 2024.83

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3953

Max deceleration v: 21.7953

Max in front v: 3309.66

Speed limit v: 22.0982

Chosen v: 22.0982

Chosen state: LCR

Proposed speed: 49.5

Delta velocity: 0.00217232

Delta velocity max: 0

Final v: 49.4969

Initial v: 49.4969

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.1493

Max deceleration v: 21.5493

Max in front v: 1990.53

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.1493

Max deceleration v: 21.5493

Max in front v: 3295.17

Speed limit v: 22.0982

Chosen v: 22.0982

Chosen state: LCR

Proposed speed: 49.5

Delta velocity: 0.185846

Delta velocity max: 0

Final v: 49.4969

Initial v: 49.4969

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3133

Max deceleration v: 21.5133

Max in front v: 1467.72

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3133

Max deceleration v: 21.5133

Max in front v: 2467.07

Speed limit v: 22.0982

Chosen v: 22.0982

Chosen state: LCR

Proposed speed: 49.5

Delta velocity: 0.103555

Delta velocity max: 0

Final v: 49.4969

Initial v: 49.4969

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3966

Max deceleration v: 21.5966

Max in front v: 1435.76

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3966

Max deceleration v: 21.5966

Max in front v: 2457.14

Speed limit v: 22.0982

Chosen v: 22.0982

Chosen state: LCR

Proposed speed: 49.5

Delta velocity: 0.0569092

Delta velocity max: 0

Final v: 49.4969

Initial v: 49.4969

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3747

Max deceleration v: 21.7747

Max in front v: 1874

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3747

Max deceleration v: 21.7747

Max in front v: 3258.87

Speed limit v: 22.0982

Chosen v: 22.0982

Chosen state: LCR

Proposed speed: 49.5

Delta velocity: 0.0175553

Delta velocity max: 0

Final v: 49.4969

Initial v: 49.4969

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.5219

Max deceleration v: 21.7219

Max in front v: 1376.99

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.5219

Max deceleration v: 21.7219

Max in front v: 2439.67

Speed limit v: 22.0982

Chosen v: 22.0982

Chosen state: LCR

Proposed speed: 49.5

Delta velocity: -0.0132835

Delta velocity max: 0

Final v: 49.4836

Initial v: 49.4836

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4127

Max deceleration v: 21.8127

Max in front v: 1793.82

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4127

Max deceleration v: 21.8127

Max in front v: 3235.75

Speed limit v: 22.0982

Chosen v: 22.0982

Chosen state: LCR

Proposed speed: 49.5

Delta velocity: -0.0108329

Delta velocity max: 0

Final v: 49.4728

Initial v: 49.4728

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3949

Max deceleration v: 21.7949

Max in front v: 1758.16

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3949

Max deceleration v: 21.7949

Max in front v: 3225.93

Speed limit v: 22.0982

Chosen v: 22.0982

Chosen state: LCR

Proposed speed: 49.5

Delta velocity: 0.00251025

Delta velocity max: 0

Final v: 49.4753

Initial v: 49.4753

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.5054

Max deceleration v: 21.7054

Max in front v: 1298.45

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.5054

Max deceleration v: 21.7054

Max in front v: 2414.26

Speed limit v: 22.0982

Chosen v: 22.0982

Chosen state: LCR

Proposed speed: 49.5

Delta velocity: -0.00404035

Delta velocity max: 0

Final v: 49.4713

Initial v: 49.4713

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4269

Max deceleration v: 21.8269

Max in front v: 1712.82

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4269

Max deceleration v: 21.8269

Max in front v: 3201.89

Speed limit v: 22.0982

Chosen v: 22.0982

Chosen state: LCR

Proposed speed: 49.5

Delta velocity: -0.0214237

Delta velocity max: 0

Final v: 49.4499

Initial v: 49.4499

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4293

Max deceleration v: 21.6293

Max in front v: 1279.27

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4293

Max deceleration v: 21.6293

Max in front v: 2397.21

Speed limit v: 22.0982

Chosen v: 22.0982

Chosen state: LCR

Proposed speed: 49.5

Delta velocity: 0.0385927

Delta velocity max: 0

Final v: 49.4885

Initial v: 49.4885

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3781

Max deceleration v: 21.7781

Max in front v: 1687.97

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3781

Max deceleration v: 21.7781

Max in front v: 3179.16

Speed limit v: 22.0982

Chosen v: 22.0982

Chosen state: LCR

Proposed speed: 49.5

Delta velocity: 0.0150187

Delta velocity max: 0

Final v: 49.4885

Initial v: 49.4885

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3781

Max deceleration v: 21.7781

Max in front v: 1678.01

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3781

Max deceleration v: 21.7781

Max in front v: 3169.4

Speed limit v: 22.0982

Chosen v: 22.0982

Chosen state: LCR

Proposed speed: 49.5

Delta velocity: 0.0150187

Delta velocity max: 0

Final v: 49.4885

Initial v: 49.4885

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4673

Max deceleration v: 21.6673

Max in front v: 1254.48

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4673

Max deceleration v: 21.6673

Max in front v: 2372.74

Speed limit v: 22.0982

Chosen v: 22.0982

Chosen state: LCR

Proposed speed: 49.5

Delta velocity: 0.0173213

Delta velocity max: 0

Final v: 49.4885

Initial v: 49.4885

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3566

Max deceleration v: 21.7566

Max in front v: 1656.33

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3566

Max deceleration v: 21.7566

Max in front v: 3146.62

Speed limit v: 22.0982

Chosen v: 22.0982

Chosen state: LCR

Proposed speed: 49.5

Delta velocity: 0.0310907

Delta velocity max: 0

Final v: 49.4885

Initial v: 49.4885

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.446

Max deceleration v: 21.646

Max in front v: 2355.67

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.446

Max deceleration v: 21.646

Max in front v: 1240.76

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0292542

Delta velocity max: 0

Final v: 49.4885

Initial v: 49.4885

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.374

Max deceleration v: 21.774

Max in front v: 3123.78

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.374

Max deceleration v: 21.774

Max in front v: 1638.91

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0180627

Delta velocity max: 0

Final v: 49.4885

Initial v: 49.4885

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4536

Max deceleration v: 21.6536

Max in front v: 2338.52

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4536

Max deceleration v: 21.6536

Max in front v: 1227.01

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0249684

Delta velocity max: 0

Final v: 49.4885

Initial v: 49.4885

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3632

Max deceleration v: 21.7632

Max in front v: 3100.9

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3632

Max deceleration v: 21.7632

Max in front v: 1621.51

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0261405

Delta velocity max: 0

Final v: 49.4885

Initial v: 49.4885

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3933

Max deceleration v: 21.7933

Max in front v: 3091.02

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3933

Max deceleration v: 21.7933

Max in front v: 1614.62

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.00369307

Delta velocity max: 0

Final v: 49.4921

Initial v: 49.4921

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4656

Max deceleration v: 21.6656

Max in front v: 2313.9

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4656

Max deceleration v: 21.6656

Max in front v: 1210.03

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0182729

Delta velocity max: 0

Final v: 49.4921

Initial v: 49.4921

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3881

Max deceleration v: 21.7881

Max in front v: 3067.93

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3881

Max deceleration v: 21.7881

Max in front v: 1599.78

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.00753783

Delta velocity max: 0

Final v: 49.4997

Initial v: 49.4997

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4709

Max deceleration v: 21.6709

Max in front v: 2296.53

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4709

Max deceleration v: 21.6709

Max in front v: 1199.3

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0152913

Delta velocity max: 0

Final v: 49.4997

Initial v: 49.4997

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3952

Max deceleration v: 21.7952

Max in front v: 3048.06

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3952

Max deceleration v: 21.7952

Max in front v: 1589.16

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.00221456

Delta velocity max: 0

Final v: 49.4997

Initial v: 49.4997

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3792

Max deceleration v: 21.7792

Max in front v: 3038.15

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3792

Max deceleration v: 21.7792

Max in front v: 1583.49

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0142155

Delta velocity max: 0

Final v: 49.4997

Initial v: 49.4997

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.5129

Max deceleration v: 21.7129

Max in front v: 2274.14

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.5129

Max deceleration v: 21.7129

Max in front v: 1187.58

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: -0.00825127

Delta velocity max: 0

Final v: 49.4914

Initial v: 49.4914

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3409

Max deceleration v: 21.7409

Max in front v: 3014.99

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3409

Max deceleration v: 21.7409

Max in front v: 1570.85

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0427739

Delta velocity max: 0

Final v: 49.4914

Initial v: 49.4914

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3831

Max deceleration v: 21.7831

Max in front v: 3004.98

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3831

Max deceleration v: 21.7831

Max in front v: 1565.59

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.011299

Delta velocity max: 0

Final v: 49.4914

Initial v: 49.4914

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3688

Max deceleration v: 21.7688

Max in front v: 2995.05

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3688

Max deceleration v: 21.7688

Max in front v: 1560.54

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0219531

Delta velocity max: 0

Final v: 49.4914

Initial v: 49.4914

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.355

Max deceleration v: 21.755

Max in front v: 2985.09

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.355

Max deceleration v: 21.755

Max in front v: 1555.62

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0322756

Delta velocity max: 0

Final v: 49.4914

Initial v: 49.4914

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4978

Max deceleration v: 21.6978

Max in front v: 2234.3

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4978

Max deceleration v: 21.6978

Max in front v: 1167.38

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: LCL

Proposed speed: 49.5

Delta velocity: 0.000235356

Delta velocity max: 0

Final v: 49.4917

Initial v: 49.4917

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.1062

Max deceleration v: 21.5062

Max in front v: 2962.71

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.1062

Max deceleration v: 21.5062

Max in front v: 1545.49

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: LCL

Proposed speed: 49.5

Delta velocity: 0.218001

Delta velocity max: 0

Final v: 49.4917

Initial v: 49.4917

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.2621

Max deceleration v: 21.6621

Max in front v: 2952.83

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.2621

Max deceleration v: 21.6621

Max in front v: 1541.06

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: LCL

Proposed speed: 49.5

Delta velocity: 0.101655

Delta velocity max: 0

Final v: 49.4917

Initial v: 49.4917

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.2856

Max deceleration v: 21.6856

Max in front v: 2943.01

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.2856

Max deceleration v: 21.6856

Max in front v: 1536.81

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: LCL

Proposed speed: 49.5

Delta velocity: 0.0841126

Delta velocity max: 0

Final v: 49.4917

Initial v: 49.4917

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3184

Max deceleration v: 21.7184

Max in front v: 2933.11

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3184

Max deceleration v: 21.7184

Max in front v: 1532.59

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: LCL

Proposed speed: 49.5

Delta velocity: 0.0595936

Delta velocity max: 0

Final v: 49.4917

Initial v: 49.4917

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4582

Max deceleration v: 21.6582

Max in front v: 2195.41

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4582

Max deceleration v: 21.6582

Max in front v: 1150.83

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: LCL

Proposed speed: 49.5

Delta velocity: 0.0224294

Delta velocity max: 0

Final v: 49.4917

Initial v: 49.4917

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3514

Max deceleration v: 21.7514

Max in front v: 2910.03

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3514

Max deceleration v: 21.7514

Max in front v: 1523.2

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: LCL

Proposed speed: 49.5

Delta velocity: 0.0349418

Delta velocity max: 0

Final v: 49.4917

Initial v: 49.4917

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.5001

Max deceleration v: 21.7001

Max in front v: 2178.09

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.5001

Max deceleration v: 21.7001

Max in front v: 1144.02

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: LCL

Proposed speed: 49.5

Delta velocity: -0.00103167

Delta velocity max: 0

Final v: 49.4906

Initial v: 49.4906

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4005

Max deceleration v: 21.8005

Max in front v: 2886.98

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4005

Max deceleration v: 21.8005

Max in front v: 1514.39

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: LCL

Proposed speed: 49.5

Delta velocity: -0.00171342

Delta velocity max: 0

Final v: 49.4889

Initial v: 49.4889

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4014

Max deceleration v: 21.8014

Max in front v: 2877.14

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4014

Max deceleration v: 21.8014

Max in front v: 1510.81

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: LCL

Proposed speed: 49.5

Delta velocity: -0.00238911

Delta velocity max: 0

Final v: 49.4865

Initial v: 49.4865

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.352

Max deceleration v: 21.752

Max in front v: 2867.7

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.352

Max deceleration v: 21.752

Max in front v: 1507.42

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: LCL

Proposed speed: 49.5

Delta velocity: 0.0344763

Delta velocity max: 0

Final v: 49.4865

Initial v: 49.4865

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3528

Max deceleration v: 21.7528

Max in front v: 2857.9

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3528

Max deceleration v: 21.7528

Max in front v: 1504.06

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: LCL

Proposed speed: 49.5

Delta velocity: 0.0339261

Delta velocity max: 0

Final v: 49.4865

Initial v: 49.4865

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4036

Max deceleration v: 21.8036

Max in front v: 2848.05

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4036

Max deceleration v: 21.8036

Max in front v: 1500.76

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: LCL

Proposed speed: 49.5

Delta velocity: -0.00403598

Delta velocity max: 0

Final v: 49.4825

Initial v: 49.4825

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4536

Max deceleration v: 21.6536

Max in front v: 2131.78

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4536

Max deceleration v: 21.6536

Max in front v: 1127.94

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: LCL

Proposed speed: 49.5

Delta velocity: 0.0249684

Delta velocity max: 0

Final v: 49.4825

Initial v: 49.4825

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3528

Max deceleration v: 21.7528

Max in front v: 2825.34

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3528

Max deceleration v: 21.7528

Max in front v: 1493.25

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: LCL

Proposed speed: 49.5

Delta velocity: 0.0339261

Delta velocity max: 0

Final v: 49.4825

Initial v: 49.4825

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.352

Max deceleration v: 21.752

Max in front v: 2814.82

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.352

Max deceleration v: 21.752

Max in front v: 1489.53

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: LCL

Proposed speed: 49.5

Delta velocity: 0.0344763

Delta velocity max: 0

Final v: 49.4825

Initial v: 49.4825

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4014

Max deceleration v: 21.8014

Max in front v: 1486.6

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4014

Max deceleration v: 21.8014

Max in front v: 2805.01

Speed limit v: 22.0982

Chosen v: 22.0982

Chosen state: KL

Proposed speed: 49.5

Delta velocity: -0.00238911

Delta velocity max: 0

Final v: 49.4801

Initial v: 49.4801

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3505

Max deceleration v: 21.7505

Max in front v: 1483.87

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3505

Max deceleration v: 21.7505

Max in front v: 2795.33

Speed limit v: 22.0982

Chosen v: 22.0982

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0356191

Delta velocity max: 0

Final v: 49.4801

Initial v: 49.4801

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3501

Max deceleration v: 21.7501

Max in front v: 1481.13

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3501

Max deceleration v: 21.7501

Max in front v: 2785.57

Speed limit v: 22.0982

Chosen v: 22.0982

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0359577

Delta velocity max: 0

Final v: 49.4801

Initial v: 49.4801

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3502

Max deceleration v: 21.7502

Max in front v: 1478.43

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3502

Max deceleration v: 21.7502

Max in front v: 2775.78

Speed limit v: 22.0982

Chosen v: 22.0982

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0358307

Delta velocity max: 0

Final v: 49.4801

Initial v: 49.4801

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3514

Max deceleration v: 21.7514

Max in front v: 1475.77

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3514

Max deceleration v: 21.7514

Max in front v: 2765.97

Speed limit v: 22.0982

Chosen v: 22.0982

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0349418

Delta velocity max: 0

Final v: 49.4801

Initial v: 49.4801

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4536

Max deceleration v: 21.6536

Max in front v: 1109.68

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4536

Max deceleration v: 21.6536

Max in front v: 2070.1

Speed limit v: 22.0982

Chosen v: 22.0982

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0249684

Delta velocity max: 0

Final v: 49.4801

Initial v: 49.4801

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3569

Max deceleration v: 21.7569

Max in front v: 1469.68

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3569

Max deceleration v: 21.7569

Max in front v: 2742.94

Speed limit v: 22.0982

Chosen v: 22.0982

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0308791

Delta velocity max: 0

Final v: 49.4801

Initial v: 49.4801

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3611

Max deceleration v: 21.7611

Max in front v: 1467.13

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3611

Max deceleration v: 21.7611

Max in front v: 2733.02

Speed limit v: 22.0982

Chosen v: 22.0982

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0277058

Delta velocity max: 0

Final v: 49.4801

Initial v: 49.4801

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3664

Max deceleration v: 21.7664

Max in front v: 1464.61

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3664

Max deceleration v: 21.7664

Max in front v: 2723.08

Speed limit v: 22.0982

Chosen v: 22.0982

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0237717

Delta velocity max: 0

Final v: 49.4801

Initial v: 49.4801

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3727

Max deceleration v: 21.7727

Max in front v: 1462.11

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3727

Max deceleration v: 21.7727

Max in front v: 2713.11

Speed limit v: 22.0982

Chosen v: 22.0982

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0190775

Delta velocity max: 0

Final v: 49.4992

Initial v: 49.4992

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3774

Max deceleration v: 21.7774

Max in front v: 1459.63

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3774

Max deceleration v: 21.7774

Max in front v: 2703.11

Speed limit v: 22.0982

Chosen v: 22.0982

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.015526

Delta velocity max: 0

Final v: 49.4992

Initial v: 49.4992

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3826

Max deceleration v: 21.7826

Max in front v: 1457.19

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3826

Max deceleration v: 21.7826

Max in front v: 2693.09

Speed limit v: 22.0982

Chosen v: 22.0982

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0116371

Delta velocity max: 0

Final v: 49.4992

Initial v: 49.4992

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3384

Max deceleration v: 21.7384

Max in front v: 1454.86

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3384

Max deceleration v: 21.7384

Max in front v: 2683.13

Speed limit v: 22.0982

Chosen v: 22.0982

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0446795

Delta velocity max: 0

Final v: 49.4992

Initial v: 49.4992

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4944

Max deceleration v: 21.6944

Max in front v: 1083.72

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4944

Max deceleration v: 21.6944

Max in front v: 2007.78

Speed limit v: 22.0982

Chosen v: 22.0982

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.00213614

Delta velocity max: 0

Final v: 49.4992

Initial v: 49.4992

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3545

Max deceleration v: 21.7545

Max in front v: 1412.46

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3545

Max deceleration v: 21.7545

Max in front v: 2659.7

Speed limit v: 22.0982

Chosen v: 22.0982

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0326141

Delta velocity max: 0

Final v: 49.4992

Initial v: 49.4992

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3618

Max deceleration v: 21.7618

Max in front v: 1385.97

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3618

Max deceleration v: 21.7618

Max in front v: 2649.65

Speed limit v: 22.0982

Chosen v: 22.0982

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0271981

Delta velocity max: 0

Final v: 49.4992

Initial v: 49.4992

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3695

Max deceleration v: 21.7695

Max in front v: 1358.56

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3695

Max deceleration v: 21.7695

Max in front v: 2639.56

Speed limit v: 22.0982

Chosen v: 22.0982

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0214456

Delta velocity max: 0

Final v: 49.4992

Initial v: 49.4992

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3776

Max deceleration v: 21.7776

Max in front v: 1330.33

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3776

Max deceleration v: 21.7776

Max in front v: 2629.47

Speed limit v: 22.0982

Chosen v: 22.0982

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0153569

Delta velocity max: 0

Final v: 49.4992

Initial v: 49.4992

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3819

Max deceleration v: 21.7819

Max in front v: 1301.31

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3819

Max deceleration v: 21.7819

Max in front v: 2619.39

Speed limit v: 22.0982

Chosen v: 22.0982

Chosen state: LCR

Proposed speed: 49.5

Delta velocity: 0.0121865

Delta velocity max: 0

Final v: 49.4992

Initial v: 49.4992

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.0939

Max deceleration v: 21.4939

Max in front v: 1272.33

Speed limit v: 22.0982

Chosen v: 22.0939

State: LCR

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.0939

Max deceleration v: 21.4939

Max in front v: 2605.19

Speed limit v: 22.0982

Chosen v: 22.0939

Chosen state: LCR

Proposed speed: 49.4903

Delta velocity: 0.224

Delta velocity max: -0.224

Final v: 49.2752

Initial v: 49.2752

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.2073

Max deceleration v: 21.4073

Max in front v: 929.422

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.2073

Max deceleration v: 21.4073

Max in front v: 1949.83

Speed limit v: 22.0982

Chosen v: 22.0982

Chosen state: LCR

Proposed speed: 49.5

Delta velocity: 0.162891

Delta velocity max: 0.224

Final v: 49.4381

Initial v: 49.4381

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.2473

Max deceleration v: 21.6473

Max in front v: 1197.44

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.2473

Max deceleration v: 21.6473

Max in front v: 2579.73

Speed limit v: 22.0982

Chosen v: 22.0982

Chosen state: LCR

Proposed speed: 49.5

Delta velocity: 0.112708

Delta velocity max: 0

Final v: 49.4381

Initial v: 49.4381

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3074

Max deceleration v: 21.7074

Max in front v: 1164.87

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3074

Max deceleration v: 21.7074

Max in front v: 2569.78

Speed limit v: 22.0982

Chosen v: 22.0982

Chosen state: LCR

Proposed speed: 49.5

Delta velocity: 0.0678191

Delta velocity max: 0

Final v: 49.4381

Initial v: 49.4381

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3141

Max deceleration v: 21.7141

Max in front v: 1131.49

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3141

Max deceleration v: 21.7141

Max in front v: 2559.87

Speed limit v: 22.0982

Chosen v: 22.0982

Chosen state: LCR

Proposed speed: 49.5

Delta velocity: 0.0627731

Delta velocity max: 0

Final v: 49.4381

Initial v: 49.4381

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3638

Max deceleration v: 21.7638

Max in front v: 1102.14

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3638

Max deceleration v: 21.7638

Max in front v: 2549.92

Speed limit v: 22.0982

Chosen v: 22.0982

Chosen state: LCR

Proposed speed: 49.5

Delta velocity: 0.0257175

Delta velocity max: 0

Final v: 49.4638

Initial v: 49.4638

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.5054

Max deceleration v: 21.7054

Max in front v: 822.854

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.5054

Max deceleration v: 21.7054

Max in front v: 1907.94

Speed limit v: 22.0982

Chosen v: 22.0982

Chosen state: LCR

Proposed speed: 49.5

Delta velocity: -0.00404035

Delta velocity max: 0

Final v: 49.4598

Initial v: 49.4598

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3513

Max deceleration v: 21.7513

Max in front v: 1081.4

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3513

Max deceleration v: 21.7513

Max in front v: 2526.81

Speed limit v: 22.0982

Chosen v: 22.0982

Chosen state: LCR

Proposed speed: 49.5

Delta velocity: 0.0350265

Delta velocity max: 0

Final v: 49.4948

Initial v: 49.4948

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4224

Max deceleration v: 21.8224

Max in front v: 1073.23

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4224

Max deceleration v: 21.8224

Max in front v: 2516.82

Speed limit v: 22.0982

Chosen v: 22.0982

Chosen state: LCR

Proposed speed: 49.5

Delta velocity: -0.018091

Delta velocity max: 0

Final v: 49.4767

Initial v: 49.4767

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3851

Max deceleration v: 21.7851

Max in front v: 1065.62

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3851

Max deceleration v: 21.7851

Max in front v: 2506.98

Speed limit v: 22.0982

Chosen v: 22.0982

Chosen state: LCR

Proposed speed: 49.5

Delta velocity: 0.0097775

Delta velocity max: 0

Final v: 49.4865

Initial v: 49.4865

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3966

Max deceleration v: 21.7966

Max in front v: 1058.35

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3966

Max deceleration v: 21.7966

Max in front v: 2497.07

Speed limit v: 22.0982

Chosen v: 22.0982

Chosen state: LCR

Proposed speed: 49.5

Delta velocity: 0.0012008

Delta velocity max: 0

Final v: 49.4877

Initial v: 49.4877

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3596

Max deceleration v: 21.7596

Max in front v: 1051.55

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3596

Max deceleration v: 21.7596

Max in front v: 2487.24

Speed limit v: 22.0982

Chosen v: 22.0982

Chosen state: LCR

Proposed speed: 49.5

Delta velocity: 0.0288481

Delta velocity max: 0

Final v: 49.4877

Initial v: 49.4877

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4082

Max deceleration v: 21.8082

Max in front v: 1045.05

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4082

Max deceleration v: 21.8082

Max in front v: 2477.31

Speed limit v: 22.0982

Chosen v: 22.0982

Chosen state: LCR

Proposed speed: 49.5

Delta velocity: -0.00745588

Delta velocity max: 0

Final v: 49.4802

Initial v: 49.4802

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4082

Max deceleration v: 21.8082

Max in front v: 1038.91

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4082

Max deceleration v: 21.8082

Max in front v: 2467.45

Speed limit v: 22.0982

Chosen v: 22.0982

Chosen state: LCR

Proposed speed: 49.5

Delta velocity: -0.00745588

Delta velocity max: 0

Final v: 49.4728

Initial v: 49.4728

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.348

Max deceleration v: 21.748

Max in front v: 1033.14

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.348

Max deceleration v: 21.748

Max in front v: 2457.66

Speed limit v: 22.0982

Chosen v: 22.0982

Chosen state: LCR

Proposed speed: 49.5

Delta velocity: 0.0375239

Delta velocity max: 0

Final v: 49.4728

Initial v: 49.4728

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3851

Max deceleration v: 21.7851

Max in front v: 1027.32

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3851

Max deceleration v: 21.7851

Max in front v: 2447.77

Speed limit v: 22.0982

Chosen v: 22.0982

Chosen state: LCR

Proposed speed: 49.5

Delta velocity: 0.0097775

Delta velocity max: 0

Final v: 49.4825

Initial v: 49.4825

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3625

Max deceleration v: 21.7625

Max in front v: 2437.91

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3625

Max deceleration v: 21.7625

Max in front v: 1021.72

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0266905

Delta velocity max: 0

Final v: 49.4825

Initial v: 49.4825

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3513

Max deceleration v: 21.7513

Max in front v: 2428.02

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3513

Max deceleration v: 21.7513

Max in front v: 1016.26

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0350265

Delta velocity max: 0

Final v: 49.4825

Initial v: 49.4825

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4781

Max deceleration v: 21.6781

Max in front v: 1816.55

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4781

Max deceleration v: 21.6781

Max in front v: 762.35

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.011264

Delta velocity max: 0

Final v: 49.4938

Initial v: 49.4938

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3566

Max deceleration v: 21.7566

Max in front v: 2404.85

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3566

Max deceleration v: 21.7566

Max in front v: 1004.03

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0310907

Delta velocity max: 0

Final v: 49.4938

Initial v: 49.4938

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3949

Max deceleration v: 21.7949

Max in front v: 2394.85

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3949

Max deceleration v: 21.7949

Max in front v: 998.963

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.00251025

Delta velocity max: 0

Final v: 49.4963

Initial v: 49.4963

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.474

Max deceleration v: 21.674

Max in front v: 1791.67

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.474

Max deceleration v: 21.674

Max in front v: 749.848

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.013547

Delta velocity max: 0

Final v: 49.4963

Initial v: 49.4963

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4026

Max deceleration v: 21.8026

Max in front v: 2371.53

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4026

Max deceleration v: 21.8026

Max in front v: 987.7

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: LCL

Proposed speed: 49.5

Delta velocity: -0.0032759

Delta velocity max: 0

Final v: 49.493

Initial v: 49.493

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.084

Max deceleration v: 21.484

Max in front v: 2362.42

Speed limit v: 22.0982

Chosen v: 22.084

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.084

Max deceleration v: 21.484

Max in front v: 983.973

Speed limit v: 22.0982

Chosen v: 22.084

State: LCR

Lane change unavailable

Chosen state: LCL

Proposed speed: 49.4682

Delta velocity: 0.224

Delta velocity max: -0.224

Final v: 49.269

Initial v: 49.269

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.0443

Max deceleration v: 21.4443

Max in front v: 2353.92

Speed limit v: 22.0982

Chosen v: 22.0443

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.0443

Max deceleration v: 21.4443

Max in front v: 980.986

Speed limit v: 22.0982

Chosen v: 22.0443

State: LCR

Lane change unavailable

Chosen state: LCL

Proposed speed: 49.3791

Delta velocity: 0.224

Delta velocity max: 0

Final v: 49.269

Initial v: 49.269

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.1303

Max deceleration v: 21.5303

Max in front v: 2339.19

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.1303

Max deceleration v: 21.5303

Max in front v: 976.945

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: LCL

Proposed speed: 49.5

Delta velocity: 0.200034

Delta velocity max: 0.224

Final v: 49.4691

Initial v: 49.4691

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3869

Max deceleration v: 21.5869

Max in front v: 1749.87

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3869

Max deceleration v: 21.5869

Max in front v: 733.961

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: LCL

Proposed speed: 49.5

Delta velocity: 0.0623204

Delta velocity max: 0

Final v: 49.4691

Initial v: 49.4691

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.2364

Max deceleration v: 21.8364

Max in front v: 3467.71

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.2364

Max deceleration v: 21.8364

Max in front v: 1441.79

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: LCL

Proposed speed: 49.5

Delta velocity: 0.0691793

Delta velocity max: 0

Final v: 49.4691

Initial v: 49.4691

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3735

Max deceleration v: 21.7735

Max in front v: 2309.09

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3735

Max deceleration v: 21.7735

Max in front v: 964.455

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: LCL

Proposed speed: 49.5

Delta velocity: 0.0184432

Delta velocity max: 0

Final v: 49.4875

Initial v: 49.4875

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4545

Max deceleration v: 21.6545

Max in front v: 1727.31

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4545

Max deceleration v: 21.6545

Max in front v: 724.93

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: LCL

Proposed speed: 49.5

Delta velocity: 0.0244606

Delta velocity max: 0

Final v: 49.4875

Initial v: 49.4875

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3883

Max deceleration v: 21.7883

Max in front v: 2285.67

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3883

Max deceleration v: 21.7883

Max in front v: 955.383

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: LCL

Proposed speed: 49.5

Delta velocity: 0.00741107

Delta velocity max: 0

Final v: 49.4949

Initial v: 49.4949

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.38

Max deceleration v: 21.78

Max in front v: 2275.66

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.38

Max deceleration v: 21.78

Max in front v: 951.691

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: LCL

Proposed speed: 49.5

Delta velocity: 0.0136237

Delta velocity max: 0

Final v: 49.4949

Initial v: 49.4949

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.375

Max deceleration v: 21.775

Max in front v: 2265.65

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.375

Max deceleration v: 21.775

Max in front v: 948.085

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: LCL

Proposed speed: 49.5

Delta velocity: 0.0173439

Delta velocity max: 0

Final v: 49.4949

Initial v: 49.4949

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3727

Max deceleration v: 21.7727

Max in front v: 2255.65

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3727

Max deceleration v: 21.7727

Max in front v: 944.59

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: LCL

Proposed speed: 49.5

Delta velocity: 0.0190775

Delta velocity max: 0

Final v: 49.4949

Initial v: 49.4949

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4183

Max deceleration v: 21.8183

Max in front v: 2245.57

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4183

Max deceleration v: 21.8183

Max in front v: 941.099

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: LCL

Proposed speed: 49.5

Delta velocity: -0.0150109

Delta velocity max: 0

Final v: 49.4799

Initial v: 49.4799

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3664

Max deceleration v: 21.7664

Max in front v: 2235.65

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3664

Max deceleration v: 21.7664

Max in front v: 937.857

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: LCL

Proposed speed: 49.5

Delta velocity: 0.0237717

Delta velocity max: 0

Final v: 49.4799

Initial v: 49.4799

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3664

Max deceleration v: 21.7664

Max in front v: 2225.68

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3664

Max deceleration v: 21.7664

Max in front v: 934.642

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: LCL

Proposed speed: 49.5

Delta velocity: 0.0237717

Delta velocity max: 0

Final v: 49.4799

Initial v: 49.4799

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3664

Max deceleration v: 21.7664

Max in front v: 931.51

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3664

Max deceleration v: 21.7664

Max in front v: 2215.72

Speed limit v: 22.0982

Chosen v: 22.0982

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0237717

Delta velocity max: 0

Final v: 49.4799

Initial v: 49.4799

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3684

Max deceleration v: 21.7684

Max in front v: 926.792

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3684

Max deceleration v: 21.7684

Max in front v: 2205.74

Speed limit v: 22.0982

Chosen v: 22.0982

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0222914

Delta velocity max: 0

Final v: 49.4799

Initial v: 49.4799

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3684

Max deceleration v: 21.7684

Max in front v: 923.779

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3684

Max deceleration v: 21.7684

Max in front v: 2195.77

Speed limit v: 22.0982

Chosen v: 22.0982

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0222914

Delta velocity max: 0

Final v: 49.4799

Initial v: 49.4799

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4204

Max deceleration v: 21.8204

Max in front v: 920.787

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4204

Max deceleration v: 21.8204

Max in front v: 2185.74

Speed limit v: 22.0982

Chosen v: 22.0982

Chosen state: KL

Proposed speed: 49.5

Delta velocity: -0.0165721

Delta velocity max: 0

Final v: 49.4633

Initial v: 49.4633

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3727

Max deceleration v: 21.7727

Max in front v: 917.984

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3727

Max deceleration v: 21.7727

Max in front v: 2175.82

Speed limit v: 22.0982

Chosen v: 22.0982

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0190775

Delta velocity max: 0

Final v: 49.4824

Initial v: 49.4824

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.475

Max deceleration v: 21.675

Max in front v: 691.181

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.475

Max deceleration v: 21.675

Max in front v: 1627.37

Speed limit v: 22.0982

Chosen v: 22.0982

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0130079

Delta velocity max: 0

Final v: 49.4954

Initial v: 49.4954

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3774

Max deceleration v: 21.7774

Max in front v: 911.489

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3774

Max deceleration v: 21.7774

Max in front v: 2152.48

Speed limit v: 22.0982

Chosen v: 22.0982

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.015526

Delta velocity max: 0

Final v: 49.4954

Initial v: 49.4954

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.38

Max deceleration v: 21.78

Max in front v: 894.438

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.38

Max deceleration v: 21.78

Max in front v: 2142.47

Speed limit v: 22.0982

Chosen v: 22.0982

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0136237

Delta velocity max: 0

Final v: 49.4954

Initial v: 49.4954

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3826

Max deceleration v: 21.7826

Max in front v: 868.462

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3826

Max deceleration v: 21.7826

Max in front v: 2132.44

Speed limit v: 22.0982

Chosen v: 22.0982

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0116371

Delta velocity max: 0

Final v: 49.4954

Initial v: 49.4954

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3883

Max deceleration v: 21.7883

Max in front v: 841.214

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3883

Max deceleration v: 21.7883

Max in front v: 2122.4

Speed limit v: 22.0982

Chosen v: 22.0982

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.00741107

Delta velocity max: 0

Final v: 49.4954

Initial v: 49.4954

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3913

Max deceleration v: 21.7913

Max in front v: 813.063

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3913

Max deceleration v: 21.7913

Max in front v: 2112.35

Speed limit v: 22.0982

Chosen v: 22.0982

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.00517172

Delta velocity max: 0

Final v: 49.4954

Initial v: 49.4954

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4944

Max deceleration v: 21.6944

Max in front v: 586.199

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4944

Max deceleration v: 21.6944

Max in front v: 1579.69

Speed limit v: 22.0982

Chosen v: 22.0982

Chosen state: LCR

Proposed speed: 49.5

Delta velocity: 0.00213614

Delta velocity max: 0

Final v: 49.4976

Initial v: 49.4976

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.156

Max deceleration v: 21.556

Max in front v: 745

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.156

Max deceleration v: 21.556

Max in front v: 2089.62

Speed limit v: 22.0982

Chosen v: 22.0982

Chosen state: LCR

Proposed speed: 49.5

Delta velocity: 0.180849

Delta velocity max: 0

Final v: 49.4976

Initial v: 49.4976

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.2545

Max deceleration v: 21.6545

Max in front v: 713.886

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.2545

Max deceleration v: 21.6545

Max in front v: 2082.66

Speed limit v: 22.0982

Chosen v: 22.0982

Chosen state: LCR

Proposed speed: 49.5

Delta velocity: 0.107308

Delta velocity max: 0

Final v: 49.4976

Initial v: 49.4976

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.2628

Max deceleration v: 21.6628

Max in front v: 682.011

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.2628

Max deceleration v: 21.6628

Max in front v: 2072.75

Speed limit v: 22.0982

Chosen v: 22.0982

Chosen state: LCR

Proposed speed: 49.5

Delta velocity: 0.101102

Delta velocity max: 0

Final v: 49.4976

Initial v: 49.4976

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3219

Max deceleration v: 21.7219

Max in front v: 649.212

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3219

Max deceleration v: 21.7219

Max in front v: 2062.71

Speed limit v: 22.0982

Chosen v: 22.0982

Chosen state: LCR

Proposed speed: 49.5

Delta velocity: 0.0569657

Delta velocity max: 0

Final v: 49.4976

Initial v: 49.4976

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3709

Max deceleration v: 21.7709

Max in front v: 619.563

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3709

Max deceleration v: 21.7709

Max in front v: 2052.62

Speed limit v: 22.0982

Chosen v: 22.0982

Chosen state: LCR

Proposed speed: 49.5

Delta velocity: 0.0203884

Delta velocity max: 0

Final v: 49.4976

Initial v: 49.4976

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4656

Max deceleration v: 21.6656

Max in front v: 461.749

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4656

Max deceleration v: 21.6656

Max in front v: 1534.94

Speed limit v: 22.0982

Chosen v: 22.0982

Chosen state: LCR

Proposed speed: 49.5

Delta velocity: 0.0182729

Delta velocity max: 0

Final v: 49.4976

Initial v: 49.4976

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3729

Max deceleration v: 21.7729

Max in front v: 600.406

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3729

Max deceleration v: 21.7729

Max in front v: 2029.2

Speed limit v: 22.0982

Chosen v: 22.0982

Chosen state: LCR

Proposed speed: 49.5

Delta velocity: 0.0189083

Delta velocity max: 0

Final v: 49.4976

Initial v: 49.4976

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4026

Max deceleration v: 21.8026

Max in front v: 592.912

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4026

Max deceleration v: 21.8026

Max in front v: 2019.15

Speed limit v: 22.0982

Chosen v: 22.0982

Chosen state: LCR

Proposed speed: 49.5

Delta velocity: -0.0032759

Delta velocity max: 0

Final v: 49.4943

Initial v: 49.4943

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.523

Max deceleration v: 21.723

Max in front v: 443.141

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.523

Max deceleration v: 21.723

Max in front v: 1509.81

Speed limit v: 22.0982

Chosen v: 22.0982

Chosen state: LCR

Proposed speed: 49.5

Delta velocity: -0.0138531

Delta velocity max: 0

Final v: 49.4804

Initial v: 49.4804

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3949

Max deceleration v: 21.7949

Max in front v: 577.039

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3949

Max deceleration v: 21.7949

Max in front v: 1995.83

Speed limit v: 22.0982

Chosen v: 22.0982

Chosen state: LCR

Proposed speed: 49.5

Delta velocity: 0.00251025

Delta velocity max: 0

Final v: 49.4829

Initial v: 49.4829

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3566

Max deceleration v: 21.7566

Max in front v: 570.732

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3566

Max deceleration v: 21.7566

Max in front v: 1985.92

Speed limit v: 22.0982

Chosen v: 22.0982

Chosen state: LCR

Proposed speed: 49.5

Delta velocity: 0.0310907

Delta velocity max: 0

Final v: 49.4829

Initial v: 49.4829

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3566

Max deceleration v: 21.7566

Max in front v: 564.579

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3566

Max deceleration v: 21.7566

Max in front v: 1976

Speed limit v: 22.0982

Chosen v: 22.0982

Chosen state: LCR

Proposed speed: 49.5

Delta velocity: 0.0310907

Delta velocity max: 0

Final v: 49.4829

Initial v: 49.4829

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3566

Max deceleration v: 21.7566

Max in front v: 558.603

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3566

Max deceleration v: 21.7566

Max in front v: 1966.07

Speed limit v: 22.0982

Chosen v: 22.0982

Chosen state: LCR

Proposed speed: 49.5

Delta velocity: 0.0310907

Delta velocity max: 0

Final v: 49.4829

Initial v: 49.4829

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4566

Max deceleration v: 21.6566

Max in front v: 418.633

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4566

Max deceleration v: 21.6566

Max in front v: 1470.1

Speed limit v: 22.0982

Chosen v: 22.0982

Chosen state: LCR

Proposed speed: 49.5

Delta velocity: 0.023318

Delta velocity max: 0

Final v: 49.4829

Initial v: 49.4829

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3949

Max deceleration v: 21.7949

Max in front v: 1942.86

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3949

Max deceleration v: 21.7949

Max in front v: 542.444

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.00251025

Delta velocity max: 0

Final v: 49.4854

Initial v: 49.4854

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3844

Max deceleration v: 21.7844

Max in front v: 1932.94

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3844

Max deceleration v: 21.7844

Max in front v: 536.885

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0103269

Delta velocity max: 0

Final v: 49.4958

Initial v: 49.4958

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3638

Max deceleration v: 21.7638

Max in front v: 1923.02

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3638

Max deceleration v: 21.7638

Max in front v: 531.472

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0257175

Delta velocity max: 0

Final v: 49.4958

Initial v: 49.4958

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3436

Max deceleration v: 21.7436

Max in front v: 1913.1

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3436

Max deceleration v: 21.7436

Max in front v: 526.193

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0407838

Delta velocity max: 0

Final v: 49.4958

Initial v: 49.4958

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3729

Max deceleration v: 21.7729

Max in front v: 1903.11

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3729

Max deceleration v: 21.7729

Max in front v: 521.009

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0189083

Delta velocity max: 0

Final v: 49.4958

Initial v: 49.4958

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4027

Max deceleration v: 21.8027

Max in front v: 1893.08

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4027

Max deceleration v: 21.8027

Max in front v: 515.919

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: LCL

Proposed speed: 49.5

Delta velocity: -0.00336036

Delta velocity max: 0

Final v: 49.4924

Initial v: 49.4924

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.1418

Max deceleration v: 21.3418

Max in front v: 388.357

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.1418

Max deceleration v: 21.3418

Max in front v: 1049.37

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.199603

Delta velocity max: 0

Final v: 49.4924

Initial v: 49.4924

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3872

Max deceleration v: 21.7872

Max in front v: 505.142

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3872

Max deceleration v: 21.7872

Max in front v: 1381.12

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.00825618

Delta velocity max: 0

Final v: 49.4924

Initial v: 49.4924

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3792

Max deceleration v: 21.7792

Max in front v: 500.441

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3792

Max deceleration v: 21.7792

Max in front v: 1370.93

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0142155

Delta velocity max: 0

Final v: 49.4924

Initial v: 49.4924

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4207

Max deceleration v: 21.8207

Max in front v: 499.826

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4207

Max deceleration v: 21.8207

Max in front v: 1364.7

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: -0.0167831

Delta velocity max: 0

Final v: 49.4756

Initial v: 49.4756

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4053

Max deceleration v: 21.8053

Max in front v: 495.419

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4053

Max deceleration v: 21.8053

Max in front v: 1354.56

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: -0.00530269

Delta velocity max: 0

Final v: 49.4703

Initial v: 49.4703

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3904

Max deceleration v: 21.7904

Max in front v: 491.103

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3904

Max deceleration v: 21.7904

Max in front v: 1344.4

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.00584772

Delta velocity max: 0

Final v: 49.4762

Initial v: 49.4762

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3831

Max deceleration v: 21.7831

Max in front v: 486.877

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3831

Max deceleration v: 21.7831

Max in front v: 1334.21

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.011299

Delta velocity max: 0

Final v: 49.4875

Initial v: 49.4875

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4688

Max deceleration v: 21.6688

Max in front v: 366.578

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4688

Max deceleration v: 21.6688

Max in front v: 995.995

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0164648

Delta velocity max: 0

Final v: 49.4875

Initial v: 49.4875

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4045

Max deceleration v: 21.8045

Max in front v: 477.366

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4045

Max deceleration v: 21.8045

Max in front v: 1310.39

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: -0.00471157

Delta velocity max: 0

Final v: 49.4828

Initial v: 49.4828

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3912

Max deceleration v: 21.7912

Max in front v: 473.471

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3912

Max deceleration v: 21.7912

Max in front v: 1300.19

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.00525622

Delta velocity max: 0

Final v: 49.488

Initial v: 49.488

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3847

Max deceleration v: 21.7847

Max in front v: 469.645

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3847

Max deceleration v: 21.7847

Max in front v: 1289.97

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0101156

Delta velocity max: 0

Final v: 49.4981

Initial v: 49.4981

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4279

Max deceleration v: 21.8279

Max in front v: 465.836

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4279

Max deceleration v: 21.8279

Max in front v: 1279.67

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: -0.0221407

Delta velocity max: 0

Final v: 49.476

Initial v: 49.476

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.5216

Max deceleration v: 21.7216

Max in front v: 351.248

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.5216

Max deceleration v: 21.7216

Max in front v: 955.03

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: -0.0130936

Delta velocity max: 0

Final v: 49.4629

Initial v: 49.4629

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3597

Max deceleration v: 21.7597

Max in front v: 457.514

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3597

Max deceleration v: 21.7597

Max in front v: 1255.87

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0287212

Delta velocity max: 0

Final v: 49.4916

Initial v: 49.4916

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4034

Max deceleration v: 21.8034

Max in front v: 454

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4034

Max deceleration v: 21.8034

Max in front v: 1245.57

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: -0.0039093

Delta velocity max: 0

Final v: 49.4877

Initial v: 49.4877

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4422

Max deceleration v: 21.6422

Max in front v: 342.714

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4422

Max deceleration v: 21.6422

Max in front v: 929.507

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.03135

Delta velocity max: 0

Final v: 49.4877

Initial v: 49.4877

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3863

Max deceleration v: 21.7863

Max in front v: 446.252

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3863

Max deceleration v: 21.7863

Max in front v: 1221.66

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.00889004

Delta velocity max: 0

Final v: 49.4966

Initial v: 49.4966

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4305

Max deceleration v: 21.8305

Max in front v: 442.98

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4305

Max deceleration v: 21.8305

Max in front v: 1211.32

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: -0.024123

Delta velocity max: 0

Final v: 49.4725

Initial v: 49.4725

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3754

Max deceleration v: 21.7754

Max in front v: 442.906

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3754

Max deceleration v: 21.7754

Max in front v: 1201.14

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0170057

Delta velocity max: 0

Final v: 49.4895

Initial v: 49.4895

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3754

Max deceleration v: 21.7754

Max in front v: 439.875

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3754

Max deceleration v: 21.7754

Max in front v: 1189.01

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0170057

Delta velocity max: 0

Final v: 49.4895

Initial v: 49.4895

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4754

Max deceleration v: 21.6754

Max in front v: 332.485

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4754

Max deceleration v: 21.6754

Max in front v: 886.996

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0127542

Delta velocity max: 0

Final v: 49.4895

Initial v: 49.4895

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4199

Max deceleration v: 21.8199

Max in front v: 437.731

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4199

Max deceleration v: 21.8199

Max in front v: 1169.67

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: -0.0161924

Delta velocity max: 0

Final v: 49.4733

Initial v: 49.4733

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.365

Max deceleration v: 21.765

Max in front v: 435.003

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.365

Max deceleration v: 21.765

Max in front v: 1159.46

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0247869

Delta velocity max: 0

Final v: 49.4981

Initial v: 49.4981

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4097

Max deceleration v: 21.8097

Max in front v: 432.211

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4097

Max deceleration v: 21.8097

Max in front v: 1149.13

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: -0.00859569

Delta velocity max: 0

Final v: 49.4895

Initial v: 49.4895

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4048

Max deceleration v: 21.8048

Max in front v: 429.52

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4048

Max deceleration v: 21.8048

Max in front v: 1138.86

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: -0.00492269

Delta velocity max: 0

Final v: 49.4846

Initial v: 49.4846

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.5

Max deceleration v: 21.7

Max in front v: 325.036

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.5

Max deceleration v: 21.7

Max in front v: 849.387

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: -0.001

Delta velocity max: 0

Final v: 49.4836

Initial v: 49.4836

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3502

Max deceleration v: 21.7502

Max in front v: 423.512

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3502

Max deceleration v: 21.7502

Max in front v: 1114.93

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0358307

Delta velocity max: 0

Final v: 49.4836

Initial v: 49.4836

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3502

Max deceleration v: 21.7502

Max in front v: 420.991

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3502

Max deceleration v: 21.7502

Max in front v: 1104.66

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0358307

Delta velocity max: 0

Final v: 49.4836

Initial v: 49.4836

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3502

Max deceleration v: 21.7502

Max in front v: 418.527

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3502

Max deceleration v: 21.7502

Max in front v: 1094.39

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0358307

Delta velocity max: 0

Final v: 49.4836

Initial v: 49.4836

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3502

Max deceleration v: 21.7502

Max in front v: 416.102

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3502

Max deceleration v: 21.7502

Max in front v: 1084.11

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0358307

Delta velocity max: 0

Final v: 49.4836

Initial v: 49.4836

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3502

Max deceleration v: 21.7502

Max in front v: 413.72

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3502

Max deceleration v: 21.7502

Max in front v: 1073.83

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0358307

Delta velocity max: 0

Final v: 49.4836

Initial v: 49.4836

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3502

Max deceleration v: 21.7502

Max in front v: 411.372

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3502

Max deceleration v: 21.7502

Max in front v: 1063.56

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0358307

Delta velocity max: 0

Final v: 49.4836

Initial v: 49.4836

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4502

Max deceleration v: 21.6502

Max in front v: 311.754

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4502

Max deceleration v: 21.6502

Max in front v: 792.914

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.026873

Delta velocity max: 0

Final v: 49.4836

Initial v: 49.4836

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4

Max deceleration v: 21.8

Max in front v: 405.975

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4

Max deceleration v: 21.8

Max in front v: 1039.51

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: -0.00133333

Delta velocity max: 0

Final v: 49.4822

Initial v: 49.4822

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3502

Max deceleration v: 21.7502

Max in front v: 403.803

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3502

Max deceleration v: 21.7502

Max in front v: 1029.27

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0358307

Delta velocity max: 0

Final v: 49.4822

Initial v: 49.4822

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3502

Max deceleration v: 21.7502

Max in front v: 401.61

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3502

Max deceleration v: 21.7502

Max in front v: 1018.98

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0358307

Delta velocity max: 0

Final v: 49.4822

Initial v: 49.4822

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3455

Max deceleration v: 21.7455

Max in front v: 399.457

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3455

Max deceleration v: 21.7455

Max in front v: 1008.69

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0393443

Delta velocity max: 0

Final v: 49.4822

Initial v: 49.4822

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3907

Max deceleration v: 21.7907

Max in front v: 397.248

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3907

Max deceleration v: 21.7907

Max in front v: 998.332

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.00559421

Delta velocity max: 0

Final v: 49.4878

Initial v: 49.4878

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3863

Max deceleration v: 21.7863

Max in front v: 395.136

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3863

Max deceleration v: 21.7863

Max in front v: 988.025

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0089323

Delta velocity max: 0

Final v: 49.4968

Initial v: 49.4968

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.5317

Max deceleration v: 21.7317

Max in front v: 295.342

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.5317

Max deceleration v: 21.7317

Max in front v: 736.162

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: -0.0187565

Delta velocity max: 0

Final v: 49.478

Initial v: 49.478

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4317

Max deceleration v: 21.8317

Max in front v: 384.4

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4317

Max deceleration v: 21.8317

Max in front v: 963.868

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: -0.0250087

Delta velocity max: 0

Final v: 49.453

Initial v: 49.453

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3819

Max deceleration v: 21.7819

Max in front v: 379.444

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3819

Max deceleration v: 21.7819

Max in front v: 950.6

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0121865

Delta velocity max: 0

Final v: 49.4652

Initial v: 49.4652

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3819

Max deceleration v: 21.7819

Max in front v: 377.476

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3819

Max deceleration v: 21.7819

Max in front v: 940.289

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0121865

Delta velocity max: 0

Final v: 49.4774

Initial v: 49.4774

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3819

Max deceleration v: 21.7819

Max in front v: 375.534

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3819

Max deceleration v: 21.7819

Max in front v: 931.815

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0121865

Delta velocity max: 0

Final v: 49.4896

Initial v: 49.4896

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4317

Max deceleration v: 21.8317

Max in front v: 373.539

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4317

Max deceleration v: 21.8317

Max in front v: 921.402

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: -0.0250087

Delta velocity max: 0

Final v: 49.4645

Initial v: 49.4645

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4776

Max deceleration v: 21.6776

Max in front v: 283.833

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4776

Max deceleration v: 21.6776

Max in front v: 686.285

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0115176

Delta velocity max: 0

Final v: 49.4761

Initial v: 49.4761

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3695

Max deceleration v: 21.7695

Max in front v: 369.214

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3695

Max deceleration v: 21.7695

Max in front v: 897.35

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0214456

Delta velocity max: 0

Final v: 49.4975

Initial v: 49.4975

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4193

Max deceleration v: 21.8193

Max in front v: 367.286

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4193

Max deceleration v: 21.8193

Max in front v: 886.923

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: -0.0157705

Delta velocity max: 0

Final v: 49.4817

Initial v: 49.4817

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3656

Max deceleration v: 21.7656

Max in front v: 365.516

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3656

Max deceleration v: 21.7656

Max in front v: 876.642

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0243639

Delta velocity max: 0

Final v: 49.4817

Initial v: 49.4817

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4116

Max deceleration v: 21.8116

Max in front v: 363.647

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4116

Max deceleration v: 21.8116

Max in front v: 866.232

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: -0.0100309

Delta velocity max: 0

Final v: 49.4717

Initial v: 49.4717

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3618

Max deceleration v: 21.7618

Max in front v: 361.937

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3618

Max deceleration v: 21.7618

Max in front v: 855.96

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0271981

Delta velocity max: 0

Final v: 49.4989

Initial v: 49.4989

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4116

Max deceleration v: 21.8116

Max in front v: 360.114

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4116

Max deceleration v: 21.8116

Max in front v: 845.556

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: -0.0100309

Delta velocity max: 0

Final v: 49.4889

Initial v: 49.4889

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.408

Max deceleration v: 21.808

Max in front v: 358.363

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.408

Max deceleration v: 21.808

Max in front v: 835.201

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: -0.00728701

Delta velocity max: 0

Final v: 49.4816

Initial v: 49.4816

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.408

Max deceleration v: 21.808

Max in front v: 356.63

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.408

Max deceleration v: 21.808

Max in front v: 824.853

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: -0.00728701

Delta velocity max: 0

Final v: 49.4743

Initial v: 49.4743

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.408

Max deceleration v: 21.808

Max in front v: 354.921

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.408

Max deceleration v: 21.808

Max in front v: 814.495

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: -0.00728701

Delta velocity max: 0

Final v: 49.467

Initial v: 49.467

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.408

Max deceleration v: 21.808

Max in front v: 353.233

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.408

Max deceleration v: 21.808

Max in front v: 804.146

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: -0.00728701

Delta velocity max: 0

Final v: 49.4597

Initial v: 49.4597

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3581

Max deceleration v: 21.7581

Max in front v: 351.64

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3581

Max deceleration v: 21.7581

Max in front v: 793.871

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0299482

Delta velocity max: 0

Final v: 49.4897

Initial v: 49.4897

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4044

Max deceleration v: 21.8044

Max in front v: 349.939

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4044

Max deceleration v: 21.8044

Max in front v: 783.463

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: -0.00462712

Delta velocity max: 0

Final v: 49.485

Initial v: 49.485

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.401

Max deceleration v: 21.801

Max in front v: 348.306

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.401

Max deceleration v: 21.801

Max in front v: 773.114

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: -0.00205127

Delta velocity max: 0

Final v: 49.483

Initial v: 49.483

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3511

Max deceleration v: 21.7511

Max in front v: 352.022

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3511

Max deceleration v: 21.7511

Max in front v: 762.816

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0351958

Delta velocity max: 0

Final v: 49.483

Initial v: 49.483

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3511

Max deceleration v: 21.7511

Max in front v: 356

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3511

Max deceleration v: 21.7511

Max in front v: 758.047

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0351958

Delta velocity max: 0

Final v: 49.483

Initial v: 49.483

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3511

Max deceleration v: 21.7511

Max in front v: 354.396

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3511

Max deceleration v: 21.7511

Max in front v: 747.682

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0351958

Delta velocity max: 0

Final v: 49.483

Initial v: 49.483

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3511

Max deceleration v: 21.7511

Max in front v: 352.809

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3511

Max deceleration v: 21.7511

Max in front v: 737.31

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0351958

Delta velocity max: 0

Final v: 49.483

Initial v: 49.483

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3511

Max deceleration v: 21.7511

Max in front v: 351.237

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3511

Max deceleration v: 21.7511

Max in front v: 726.942

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0351958

Delta velocity max: 0

Final v: 49.483

Initial v: 49.483

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4511

Max deceleration v: 21.6511

Max in front v: 267.405

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4511

Max deceleration v: 21.6511

Max in front v: 540.368

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0263968

Delta velocity max: 0

Final v: 49.483

Initial v: 49.483

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.401

Max deceleration v: 21.801

Max in front v: 347.576

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.401

Max deceleration v: 21.801

Max in front v: 702.683

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: -0.00205127

Delta velocity max: 0

Final v: 49.4809

Initial v: 49.4809

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.401

Max deceleration v: 21.801

Max in front v: 346.052

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.401

Max deceleration v: 21.801

Max in front v: 692.305

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: -0.00205127

Delta velocity max: 0

Final v: 49.4789

Initial v: 49.4789

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.401

Max deceleration v: 21.801

Max in front v: 344.548

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.401

Max deceleration v: 21.801

Max in front v: 681.925

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: -0.00205127

Delta velocity max: 0

Final v: 49.4768

Initial v: 49.4768

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.401

Max deceleration v: 21.801

Max in front v: 343.052

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.401

Max deceleration v: 21.801

Max in front v: 671.544

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: -0.00205127

Delta velocity max: 0

Final v: 49.4748

Initial v: 49.4748

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.401

Max deceleration v: 21.801

Max in front v: 341.573

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.401

Max deceleration v: 21.801

Max in front v: 663.475

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: -0.00205127

Delta velocity max: 0

Final v: 49.4727

Initial v: 49.4727

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.401

Max deceleration v: 21.801

Max in front v: 340.105

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.401

Max deceleration v: 21.801

Max in front v: 653.092

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: -0.00205127

Delta velocity max: 0

Final v: 49.4707

Initial v: 49.4707

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4044

Max deceleration v: 21.8044

Max in front v: 338.641

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4044

Max deceleration v: 21.8044

Max in front v: 642.701

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: -0.00462712

Delta velocity max: 0

Final v: 49.4661

Initial v: 49.4661

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4044

Max deceleration v: 21.8044

Max in front v: 337.182

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4044

Max deceleration v: 21.8044

Max in front v: 632.306

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: -0.00462712

Delta velocity max: 0

Final v: 49.4614

Initial v: 49.4614

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3581

Max deceleration v: 21.7581

Max in front v: 335.818

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3581

Max deceleration v: 21.7581

Max in front v: 621.988

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0299482

Delta velocity max: 0

Final v: 49.4914

Initial v: 49.4914

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.408

Max deceleration v: 21.808

Max in front v: 334.329

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.408

Max deceleration v: 21.808

Max in front v: 611.538

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: -0.00728701

Delta velocity max: 0

Final v: 49.4841

Initial v: 49.4841

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.408

Max deceleration v: 21.808

Max in front v: 332.899

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.408

Max deceleration v: 21.808

Max in front v: 601.135

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: -0.00728701

Delta velocity max: 0

Final v: 49.4768

Initial v: 49.4768

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3618

Max deceleration v: 21.7618

Max in front v: 331.549

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3618

Max deceleration v: 21.7618

Max in front v: 590.808

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0271981

Delta velocity max: 0

Final v: 49.4768

Initial v: 49.4768

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3656

Max deceleration v: 21.7656

Max in front v: 330.151

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3656

Max deceleration v: 21.7656

Max in front v: 580.42

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0243639

Delta velocity max: 0

Final v: 49.4768

Initial v: 49.4768

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3695

Max deceleration v: 21.7695

Max in front v: 328.761

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3695

Max deceleration v: 21.7695

Max in front v: 570.025

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0214456

Delta velocity max: 0

Final v: 49.4983

Initial v: 49.4983

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3776

Max deceleration v: 21.7776

Max in front v: 327.368

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3776

Max deceleration v: 21.7776

Max in front v: 559.619

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0153569

Delta velocity max: 0

Final v: 49.4983

Initial v: 49.4983

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3819

Max deceleration v: 21.7819

Max in front v: 327.797

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3819

Max deceleration v: 21.7819

Max in front v: 543.859

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0121865

Delta velocity max: 0

Final v: 49.4983

Initial v: 49.4983

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4361

Max deceleration v: 21.8361

Max in front v: 326.344

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4361

Max deceleration v: 21.8361

Max in front v: 533.376

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: -0.0282556

Delta velocity max: 0

Final v: 49.47

Initial v: 49.47

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3907

Max deceleration v: 21.7907

Max in front v: 325.027

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3907

Max deceleration v: 21.7907

Max in front v: 523.013

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.00559421

Delta velocity max: 0

Final v: 49.4756

Initial v: 49.4756

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3502

Max deceleration v: 21.7502

Max in front v: 323.73

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3502

Max deceleration v: 21.7502

Max in front v: 512.663

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0358307

Delta velocity max: 0

Final v: 49.4756

Initial v: 49.4756

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4048

Max deceleration v: 21.8048

Max in front v: 322.344

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4048

Max deceleration v: 21.8048

Max in front v: 502.205

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: -0.00492269

Delta velocity max: 0

Final v: 49.4707

Initial v: 49.4707

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.46

Max deceleration v: 21.66

Max in front v: 230.693

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.46

Max deceleration v: 21.66

Max in front v: 371.829

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.021414

Delta velocity max: 0

Final v: 49.4921

Initial v: 49.4921

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.365

Max deceleration v: 21.765

Max in front v: 276.526

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.365

Max deceleration v: 21.765

Max in front v: 477.986

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0247869

Delta velocity max: 0

Final v: 49.4921

Initial v: 49.4921

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3754

Max deceleration v: 21.7754

Max in front v: 251.7

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3754

Max deceleration v: 21.7754

Max in front v: 467.573

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0170057

Delta velocity max: 0

Final v: 49.4921

Initial v: 49.4921

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3808

Max deceleration v: 21.7808

Max in front v: 225.996

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3808

Max deceleration v: 21.7808

Max in front v: 457.154

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0129896

Delta velocity max: 0

Final v: 49.4921

Initial v: 49.4921

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.436

Max deceleration v: 21.836

Max in front v: 199.418

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.436

Max deceleration v: 21.836

Max in front v: 446.659

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: -0.0282134

Delta velocity max: 0

Final v: 49.4639

Initial v: 49.4639

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3919

Max deceleration v: 21.7919

Max in front v: 172.131

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3919

Max deceleration v: 21.7919

Max in front v: 436.281

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.00470699

Delta velocity max: 0

Final v: 49.4686

Initial v: 49.4686

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.348

Max deceleration v: 21.748

Max in front v: 144.018

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.348

Max deceleration v: 21.748

Max in front v: 425.941

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0375239

Delta velocity max: 0

Final v: 49.4686

Initial v: 49.4686

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3976

Max deceleration v: 21.7976

Max in front v: 114.927

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3976

Max deceleration v: 21.7976

Max in front v: 415.497

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: LCL

Proposed speed: 49.5

Delta velocity: 0.000440518

Delta velocity max: 0

Final v: 49.469

Initial v: 49.469

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.1916

Max deceleration v: 21.5916

Max in front v: 85.6011

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.1916

Max deceleration v: 21.5916

Max in front v: 401.899

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: LCL

Proposed speed: 49.5

Delta velocity: 0.154309

Delta velocity max: 0

Final v: 49.469

Initial v: 49.469

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.2584

Max deceleration v: 21.6584

Max in front v: 55.0057

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.2584

Max deceleration v: 21.6584

Max in front v: 391.677

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: LCL

Proposed speed: 49.5

Delta velocity: 0.104417

Delta velocity max: 0

Final v: 49.469

Initial v: 49.469

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.2856

Max deceleration v: 21.6856

Max in front v: 23.5034

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.2856

Max deceleration v: 21.6856

Max in front v: 381.433

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: LCL

Proposed speed: 49.5

Delta velocity: 0.0841126

Delta velocity max: 0

Final v: 49.469

Initial v: 49.469

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 22.3184

Max deceleration v: 21.7184

Vehicle in front v: 14.4761

Speed limit v: 22.0982

Chosen v: 21.7184

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3184

Max deceleration v: 21.7184

Max in front v: 371.145

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: LCL

Proposed speed: 49.5

Delta velocity: 0.0595936

Delta velocity max: 0

Final v: 49.469

Initial v: 49.469

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 22.3582

Max deceleration v: 21.7582

Vehicle in front v: 13.9504

Speed limit v: 22.0982

Chosen v: 21.7582

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3582

Max deceleration v: 21.7582

Max in front v: 360.822

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: LCL

Proposed speed: 49.5

Delta velocity: 0.0299059

Delta velocity max: 0

Final v: 49.4989

Initial v: 49.4989

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 22.3528

Max deceleration v: 21.7528

Vehicle in front v: 13.4306

Speed limit v: 22.0982

Chosen v: 21.7528

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3528

Max deceleration v: 21.7528

Max in front v: 350.529

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: LCL

Proposed speed: 49.5

Delta velocity: 0.0339261

Delta velocity max: 0

Final v: 49.4989

Initial v: 49.4989

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 22.4009

Max deceleration v: 21.8009

Vehicle in front v: 12.9158

Speed limit v: 22.0982

Chosen v: 21.8009

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4009

Max deceleration v: 21.8009

Max in front v: 333.3

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: LCL

Proposed speed: 49.5

Delta velocity: -0.00200904

Delta velocity max: 0

Final v: 49.4969

Initial v: 49.4969

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 22.3501

Max deceleration v: 21.7501

Vehicle in front v: 12.8186

Speed limit v: 22.0982

Chosen v: 21.7501

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3501

Max deceleration v: 21.7501

Max in front v: 323.255

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: LCL

Proposed speed: 49.5

Delta velocity: 0.0359577

Delta velocity max: 0

Final v: 49.4969

Initial v: 49.4969

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 22.5002

Max deceleration v: 21.7002

Vehicle in front v: 13.1341

Speed limit v: 22.0982

Chosen v: 21.7002

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.5002

Max deceleration v: 21.7002

Max in front v: 237.749

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: LCL

Proposed speed: 49.5

Delta velocity: -0.0011267

Delta velocity max: 0

Final v: 49.4958

Initial v: 49.4958

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 22.3009

Max deceleration v: 21.9009

Vehicle in front v: 13.2888

Speed limit v: 22.0982

Chosen v: 21.9009

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3009

Max deceleration v: 21.9009

Max in front v: 443.736

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: LCL

Proposed speed: 49.5

Delta velocity: -0.00301355

Delta velocity max: 0

Final v: 49.4928

Initial v: 49.4928

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 22.4014

Max deceleration v: 21.8014

Vehicle in front v: 13.5198

Speed limit v: 22.0982

Chosen v: 21.8014

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4014

Max deceleration v: 21.8014

Max in front v: 293.017

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: LCL

Proposed speed: 49.5

Delta velocity: -0.00238911

Delta velocity max: 0

Final v: 49.4904

Initial v: 49.4904

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 22.402

Max deceleration v: 21.802

Vehicle in front v: 13.7494

Speed limit v: 22.0982

Chosen v: 21.802

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.402

Max deceleration v: 21.802

Max in front v: 282.996

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: LCL

Proposed speed: 49.5

Delta velocity: -0.00285363

Delta velocity max: 0

Final v: 49.4875

Initial v: 49.4875

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 22.352

Max deceleration v: 21.752

Vehicle in front v: 13.9777

Speed limit v: 22.0982

Chosen v: 21.752

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.352

Max deceleration v: 21.752

Max in front v: 273.069

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: LCL

Proposed speed: 49.5

Delta velocity: 0.0344763

Delta velocity max: 0

Final v: 49.4875

Initial v: 49.4875

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 22.3528

Max deceleration v: 21.7528

Vehicle in front v: 14.2046

Speed limit v: 22.0982

Chosen v: 21.7528

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3528

Max deceleration v: 21.7528

Max in front v: 263.093

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: LCL

Proposed speed: 49.5

Delta velocity: 0.0339261

Delta velocity max: 0

Final v: 49.4875

Initial v: 49.4875

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 22.4028

Max deceleration v: 21.8028

Vehicle in front v: 14.4302

Speed limit v: 22.0982

Chosen v: 21.8028

State: LCL

Lane change available

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4028

Max deceleration v: 21.8028

Max in front v: 253.085

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: LCL

Proposed speed: 49.5

Delta velocity: -0.00340259

Delta velocity max: 0

Final v: 49.4841

Initial v: 49.4841

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4028

Max deceleration v: 21.8028

Max in front v: 243.125

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: -0.00340259

Delta velocity max: 0

Final v: 49.4807

Initial v: 49.4807

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.402

Max deceleration v: 21.802

Max in front v: 233.157

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: -0.00285363

Delta velocity max: 0

Final v: 49.4779

Initial v: 49.4779

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.402

Max deceleration v: 21.802

Max in front v: 223.186

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: -0.00285363

Delta velocity max: 0

Final v: 49.475

Initial v: 49.475

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3514

Max deceleration v: 21.7514

Max in front v: 213.29

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0349418

Delta velocity max: 0

Final v: 49.475

Initial v: 49.475

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3509

Max deceleration v: 21.7509

Max in front v: 203.325

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0353228

Delta velocity max: 0

Final v: 49.475

Initial v: 49.475

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3505

Max deceleration v: 21.7505

Max in front v: 193.357

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0356191

Delta velocity max: 0

Final v: 49.475

Initial v: 49.475

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3502

Max deceleration v: 21.7502

Max in front v: 183.377

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0358307

Delta velocity max: 0

Final v: 49.475

Initial v: 49.475

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.35

Max deceleration v: 21.75

Max in front v: 173.378

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.036

Delta velocity max: 0

Final v: 49.475

Initial v: 49.475

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3502

Max deceleration v: 21.7502

Max in front v: 163.356

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0358307

Delta velocity max: 0

Final v: 49.475

Initial v: 49.475

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3509

Max deceleration v: 21.7509

Max in front v: 153.293

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0353228

Delta velocity max: 0

Final v: 49.475

Initial v: 49.475

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.352

Max deceleration v: 21.752

Max in front v: 143.211

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0344763

Delta velocity max: 0

Final v: 49.475

Initial v: 49.475

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3536

Max deceleration v: 21.7536

Max in front v: 137.851

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0332912

Delta velocity max: 0

Final v: 49.475

Initial v: 49.475

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3557

Max deceleration v: 21.7557

Max in front v: 127.53

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0317677

Delta velocity max: 0

Final v: 49.475

Initial v: 49.475

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3582

Max deceleration v: 21.7582

Max in front v: 118.709

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0299059

Delta velocity max: 0

Final v: 49.475

Initial v: 49.475

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3611

Max deceleration v: 21.7611

Max in front v: 108.347

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0277058

Delta velocity max: 0

Final v: 49.475

Initial v: 49.475

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4628

Max deceleration v: 21.6628

Max in front v: 76.4193

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0198592

Delta velocity max: 0

Final v: 49.4949

Initial v: 49.4949

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4145

Max deceleration v: 21.8145

Max in front v: 84.0892

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: -0.0121413

Delta velocity max: 0

Final v: 49.4827

Initial v: 49.4827

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3684

Max deceleration v: 21.7684

Max in front v: 73.7706

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0222914

Delta velocity max: 0

Final v: 49.4827

Initial v: 49.4827

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3727

Max deceleration v: 21.7727

Max in front v: 63.3892

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0190775

Delta velocity max: 0

Final v: 49.4827

Initial v: 49.4827

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.4249

Max deceleration v: 21.8249

Max in front v: 52.9578

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: -0.0199473

Delta velocity max: 0

Final v: 49.4628

Initial v: 49.4628

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3774

Max deceleration v: 21.7774

Max in front v: 42.6507

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.015526

Delta velocity max: 0

Final v: 49.4783

Initial v: 49.4783

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.48

Max deceleration v: 21.68

Max in front v: 27.1537

Speed limit v: 22.0982

Chosen v: 22.0982

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.5

Delta velocity: 0.0102178

Delta velocity max: 0

Final v: 49.4885

Initial v: 49.4885

Choose Next State

=================

State: KL

Vehicle in front

No vehicle in buffer region

Max acceleration v: 22.3854

Max deceleration v: 21.7854

Max in front v: 18.4864

Speed limit v: 22.0982

Chosen v: 21.7854

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 48.7993

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 49.7125

Initial v: 49.7125

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 22.4911

Max deceleration v: 21.8911

Vehicle in front v: 16.8952

Speed limit v: 22.0982

Chosen v: 21.8911

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.0361

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 49.9365

Initial v: 49.9365

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 22.694

Max deceleration v: 21.894

Vehicle in front v: 16.8962

Speed limit v: 22.0982

Chosen v: 21.894

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.0426

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 50.1605

Initial v: 50.1605

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 22.697

Max deceleration v: 22.097

Vehicle in front v: 16.897

Speed limit v: 22.0982

Chosen v: 22.097

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.4972

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 50.3845

Initial v: 50.3845

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 22.8001

Max deceleration v: 22.2001

Vehicle in front v: 16.8978

Speed limit v: 22.0982

Chosen v: 22.2001

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.7281

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 50.6085

Initial v: 50.6085

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 22.8533

Max deceleration v: 22.2533

Vehicle in front v: 16.8986

Speed limit v: 22.0982

Chosen v: 22.2533

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 49.8474

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 50.8325

Initial v: 50.8325

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 23.0064

Max deceleration v: 22.4064

Vehicle in front v: 16.8995

Speed limit v: 22.0982

Chosen v: 22.4064

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 50.1904

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 51.0565

Initial v: 51.0565

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 23.1098

Max deceleration v: 22.5098

Vehicle in front v: 16.9003

Speed limit v: 22.0982

Chosen v: 22.5098

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 50.4219

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 51.2805

Initial v: 51.2805

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 23.2095

Max deceleration v: 22.6095

Vehicle in front v: 16.9012

Speed limit v: 22.0982

Chosen v: 22.6095

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 50.6453

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 51.5045

Initial v: 51.5045

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 23.4129

Max deceleration v: 22.6129

Vehicle in front v: 16.9024

Speed limit v: 22.0982

Chosen v: 22.6129

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 50.6528

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 51.7285

Initial v: 51.7285

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 23.3665

Max deceleration v: 22.7665

Vehicle in front v: 16.9033

Speed limit v: 22.0982

Chosen v: 22.7665

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 50.9969

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 51.9525

Initial v: 51.9525

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 23.4662

Max deceleration v: 22.8662

Vehicle in front v: 16.9042

Speed limit v: 22.0982

Chosen v: 22.8662

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 51.2203

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 52.1765

Initial v: 52.1765

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 23.6196

Max deceleration v: 23.0196

Vehicle in front v: 16.9051

Speed limit v: 22.0982

Chosen v: 23.0196

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 51.5638

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 52.4005

Initial v: 52.4005

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 23.7694

Max deceleration v: 22.9694

Vehicle in front v: 16.9063

Speed limit v: 22.0982

Chosen v: 22.9694

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 51.4515

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 52.6245

Initial v: 52.6245

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 23.8229

Max deceleration v: 23.2229

Vehicle in front v: 16.9073

Speed limit v: 22.0982

Chosen v: 23.2229

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 52.0192

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 52.8485

Initial v: 52.8485

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 23.8727

Max deceleration v: 23.2727

Vehicle in front v: 16.9082

Speed limit v: 22.0982

Chosen v: 23.2727

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 52.1309

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 53.0725

Initial v: 53.0725

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 23.9724

Max deceleration v: 23.3724

Vehicle in front v: 16.9092

Speed limit v: 22.0982

Chosen v: 23.3724

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 52.3542

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 53.2965

Initial v: 53.2965

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 24.0721

Max deceleration v: 23.4721

Vehicle in front v: 16.9102

Speed limit v: 22.0982

Chosen v: 23.4721

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 52.5775

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 53.5205

Initial v: 53.5205

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 24.1718

Max deceleration v: 23.5718

Vehicle in front v: 16.9112

Speed limit v: 22.0982

Chosen v: 23.5718

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 52.8008

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 53.7445

Initial v: 53.7445

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 24.2754

Max deceleration v: 23.6754

Vehicle in front v: 16.9122

Speed limit v: 22.0982

Chosen v: 23.6754

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 53.0329

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 53.9685

Initial v: 53.9685

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 24.3751

Max deceleration v: 23.7751

Vehicle in front v: 16.9133

Speed limit v: 22.0982

Chosen v: 23.7751

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 53.2562

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 54.1925

Initial v: 54.1925

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 24.5748

Max deceleration v: 23.7748

Vehicle in front v: 16.9146

Speed limit v: 22.0982

Chosen v: 23.7748

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 53.2555

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 54.4165

Initial v: 54.4165

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 24.5784

Max deceleration v: 23.9784

Vehicle in front v: 16.9157

Speed limit v: 22.0982

Chosen v: 23.9784

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 53.7117

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 54.6405

Initial v: 54.6405

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 24.6822

Max deceleration v: 24.0822

Vehicle in front v: 16.9167

Speed limit v: 22.0982

Chosen v: 24.0822

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 53.9441

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 54.8645

Initial v: 54.8645

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 24.8317

Max deceleration v: 24.2317

Vehicle in front v: 16.9178

Speed limit v: 22.0982

Chosen v: 24.2317

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 54.2789

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 55.0885

Initial v: 55.0885

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 24.9313

Max deceleration v: 24.3313

Vehicle in front v: 16.9188

Speed limit v: 22.0982

Chosen v: 24.3313

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 54.5022

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 55.3125

Initial v: 55.3125

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 25.027

Max deceleration v: 24.427

Vehicle in front v: 16.9199

Speed limit v: 22.0982

Chosen v: 24.427

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 54.7165

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 55.5365

Initial v: 55.5365

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 25.073

Max deceleration v: 24.473

Vehicle in front v: 16.9209

Speed limit v: 22.0982

Chosen v: 24.473

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 54.8195

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 55.7605

Initial v: 55.7605

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 25.1727

Max deceleration v: 24.5727

Vehicle in front v: 16.922

Speed limit v: 22.0982

Chosen v: 24.5727

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 55.0428

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 55.9845

Initial v: 55.9845

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 25.2724

Max deceleration v: 24.6724

Vehicle in front v: 16.923

Speed limit v: 22.0982

Chosen v: 24.6724

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 55.2661

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 56.2085

Initial v: 56.2085

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 25.3684

Max deceleration v: 24.7684

Vehicle in front v: 16.9241

Speed limit v: 22.0982

Chosen v: 24.7684

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 55.4811

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 56.4325

Initial v: 56.4325

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 25.4681

Max deceleration v: 24.8681

Vehicle in front v: 16.9252

Speed limit v: 22.0982

Chosen v: 24.8681

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 55.7045

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 56.6565

Initial v: 56.6565

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 25.6141

Max deceleration v: 25.0141

Vehicle in front v: 16.9262

Speed limit v: 22.0982

Chosen v: 25.0141

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 56.0315

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 56.8805

Initial v: 56.8805

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 25.7103

Max deceleration v: 25.1103

Vehicle in front v: 16.9273

Speed limit v: 22.0982

Chosen v: 25.1103

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 56.2471

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 57.1045

Initial v: 57.1045

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 25.8101

Max deceleration v: 25.2101

Vehicle in front v: 16.9283

Speed limit v: 22.0982

Chosen v: 25.2101

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 56.4706

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 57.3285

Initial v: 57.3285

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 26.0065

Max deceleration v: 25.2065

Vehicle in front v: 16.9297

Speed limit v: 22.0982

Chosen v: 25.2065

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 56.4625

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 57.5525

Initial v: 57.5525

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 25.903

Max deceleration v: 25.503

Vehicle in front v: 16.9304

Speed limit v: 22.0982

Chosen v: 25.503

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 57.1268

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 57.7765

Initial v: 57.7765

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 26.2028

Max deceleration v: 25.4028

Vehicle in front v: 16.9318

Speed limit v: 22.0982

Chosen v: 25.4028

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 56.9023

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 58.0005

Initial v: 58.0005

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 26.1995

Max deceleration v: 25.5995

Vehicle in front v: 16.9329

Speed limit v: 22.0982

Chosen v: 25.5995

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 57.3428

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 58.2245

Initial v: 58.2245

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 26.2993

Max deceleration v: 25.6993

Vehicle in front v: 16.9339

Speed limit v: 22.0982

Chosen v: 25.6993

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 57.5664

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 58.4485

Initial v: 58.4485

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 26.4991

Max deceleration v: 25.6991

Vehicle in front v: 16.9353

Speed limit v: 22.0982

Chosen v: 25.6991

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 57.566

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 58.6725

Initial v: 58.6725

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 26.4989

Max deceleration v: 25.8989

Vehicle in front v: 16.9364

Speed limit v: 22.0982

Chosen v: 25.8989

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 58.0135

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 58.8965

Initial v: 58.8965

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 26.5987

Max deceleration v: 25.9987

Vehicle in front v: 16.9374

Speed limit v: 22.0982

Chosen v: 25.9987

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 58.2371

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 59.1205

Initial v: 59.1205

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 26.6985

Max deceleration v: 26.0985

Vehicle in front v: 16.9385

Speed limit v: 22.0982

Chosen v: 26.0985

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 58.4607

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 59.3445

Initial v: 59.3445

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 26.7983

Max deceleration v: 26.1983

Vehicle in front v: 16.9395

Speed limit v: 22.0982

Chosen v: 26.1983

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 58.6843

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 59.5685

Initial v: 59.5685

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 26.9012

Max deceleration v: 26.3012

Vehicle in front v: 16.9405

Speed limit v: 22.0982

Chosen v: 26.3012

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 58.9147

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 59.7925

Initial v: 59.7925

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 26.9511

Max deceleration v: 26.3511

Vehicle in front v: 16.9416

Speed limit v: 22.0982

Chosen v: 26.3511

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 59.0265

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 60.0165

Initial v: 60.0165

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 27.0541

Max deceleration v: 26.4541

Vehicle in front v: 16.9426

Speed limit v: 22.0982

Chosen v: 26.4541

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 59.2571

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 60.2405

Initial v: 60.2405

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 27.1539

Max deceleration v: 26.5539

Vehicle in front v: 16.9436

Speed limit v: 22.0982

Chosen v: 26.5539

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 59.4807

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 60.4645

Initial v: 60.4645

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 27.3569

Max deceleration v: 26.5569

Vehicle in front v: 16.945

Speed limit v: 22.0982

Chosen v: 26.5569

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 59.4874

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 60.6885

Initial v: 60.6885

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 27.4065

Max deceleration v: 26.8065

Vehicle in front v: 16.946

Speed limit v: 22.0982

Chosen v: 26.8065

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 60.0467

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 60.9125

Initial v: 60.9125

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 27.5063

Max deceleration v: 26.9063

Vehicle in front v: 16.9469

Speed limit v: 22.0982

Chosen v: 26.9063

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 60.2702

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 61.1365

Initial v: 61.1365

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 27.6061

Max deceleration v: 27.0061

Vehicle in front v: 16.9479

Speed limit v: 22.0982

Chosen v: 27.0061

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 60.4937

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 61.3605

Initial v: 61.3605

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 27.7092

Max deceleration v: 27.1092

Vehicle in front v: 16.9489

Speed limit v: 22.0982

Chosen v: 27.1092

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 60.7245

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 61.5845

Initial v: 61.5845

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 27.809

Max deceleration v: 27.209

Vehicle in front v: 16.9498

Speed limit v: 22.0982

Chosen v: 27.209

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 60.9481

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 61.8085

Initial v: 61.8085

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 27.9087

Max deceleration v: 27.3087

Vehicle in front v: 16.9508

Speed limit v: 22.0982

Chosen v: 27.3087

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 61.1716

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 62.0325

Initial v: 62.0325

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 28.0118

Max deceleration v: 27.4118

Vehicle in front v: 16.9517

Speed limit v: 22.0982

Chosen v: 27.4118

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 61.4025

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 62.2565

Initial v: 62.2565

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 28.1116

Max deceleration v: 27.5116

Vehicle in front v: 16.9526

Speed limit v: 22.0982

Chosen v: 27.5116

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 61.626

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 62.4805

Initial v: 62.4805

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 28.2147

Max deceleration v: 27.6147

Vehicle in front v: 16.9535

Speed limit v: 22.0982

Chosen v: 27.6147

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 61.857

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 62.7045

Initial v: 62.7045

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 28.3145

Max deceleration v: 27.7145

Vehicle in front v: 16.9544

Speed limit v: 22.0982

Chosen v: 27.7145

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 62.0805

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 62.9285

Initial v: 62.9285

Choose Next State

=================

State: KL

No vehicle in front

Max acceleration v: 28.4143

Speed limit v: 22.0982

Chosen v: 27.8143

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 62.304

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 63.1525

Initial v: 63.1525

Choose Next State

=================

State: KL

No vehicle in front

Max acceleration v: 28.514

Speed limit v: 22.0982

Chosen v: 27.914

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 62.5275

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 63.3765

Initial v: 63.3765

Choose Next State

=================

State: KL

No vehicle in front

Max acceleration v: 28.6138

Speed limit v: 22.0982

Chosen v: 28.0138

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 62.751

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 63.6005

Initial v: 63.6005

Choose Next State

=================

State: KL

No vehicle in front

Max acceleration v: 28.7103

Speed limit v: 22.0982

Chosen v: 28.1103

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 62.9671

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 63.8245

Initial v: 63.8245

Choose Next State

=================

State: KL

No vehicle in front

Max acceleration v: 28.8069

Speed limit v: 22.0982

Chosen v: 28.2069

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 63.1834

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 64.0485

Initial v: 64.0485

Choose Next State

=================

State: KL

No vehicle in front

Max acceleration v: 28.9067

Speed limit v: 22.0982

Chosen v: 28.3067

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 63.407

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 64.2725

Initial v: 64.2725

Choose Next State

=================

State: KL

No vehicle in front

Max acceleration v: 29.1065

Speed limit v: 22.0982

Chosen v: 28.3065

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 63.4065

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 64.4965

Initial v: 64.4965

Choose Next State

=================

State: KL

No vehicle in front

Max acceleration v: 29.0564

Speed limit v: 22.0982

Chosen v: 28.4564

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 63.7423

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 64.7205

Initial v: 64.7205

Choose Next State

=================

State: KL

No vehicle in front

Max acceleration v: 29.203

Speed limit v: 22.0982

Chosen v: 28.603

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 64.0708

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 64.9445

Initial v: 64.9445

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 29.2999

Max deceleration v: 28.6999

Vehicle in front v: 27.1456

Speed limit v: 22.0982

Chosen v: 28.6999

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 64.2877

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 65.1685

Initial v: 65.1685

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 29.3997

Max deceleration v: 28.7997

Vehicle in front v: 27.514

Speed limit v: 22.0982

Chosen v: 28.7997

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 64.5113

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 65.3925

Initial v: 65.3925

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 29.4967

Max deceleration v: 28.8967

Vehicle in front v: 27.5781

Speed limit v: 22.0982

Chosen v: 28.8967

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 64.7285

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 65.6165

Initial v: 65.6165

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 29.5965

Max deceleration v: 28.9965

Vehicle in front v: 27.712

Speed limit v: 22.0982

Chosen v: 28.9965

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 64.9522

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 65.8405

Initial v: 65.8405

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 29.6963

Max deceleration v: 29.0963

Vehicle in front v: 27.7789

Speed limit v: 22.0982

Chosen v: 29.0963

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 65.1758

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 66.0645

Initial v: 66.0645

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 29.7934

Max deceleration v: 29.1934

Vehicle in front v: 27.9535

Speed limit v: 22.0982

Chosen v: 29.1934

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 65.3933

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 66.2885

Initial v: 66.2885

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 29.888

Max deceleration v: 29.288

Vehicle in front v: 27.9741

Speed limit v: 22.0982

Chosen v: 29.288

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 65.6052

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 66.5125

Initial v: 66.5125

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 29.983

Max deceleration v: 29.383

Vehicle in front v: 28.1069

Speed limit v: 22.0982

Chosen v: 29.383

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 65.818

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 66.7365

Initial v: 66.7365

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 30.0762

Max deceleration v: 29.4762

Vehicle in front v: 28.2185

Speed limit v: 22.0982

Chosen v: 29.4762

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 66.0268

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 66.9605

Initial v: 66.9605

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 30.1685

Max deceleration v: 29.5685

Vehicle in front v: 28.2982

Speed limit v: 22.0982

Chosen v: 29.5685

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 66.2334

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 67.1845

Initial v: 67.1845

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 30.2635

Max deceleration v: 29.6635

Vehicle in front v: 28.3602

Speed limit v: 22.0982

Chosen v: 29.6635

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 66.4463

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 67.4085

Initial v: 67.4085

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 30.3582

Max deceleration v: 29.7582

Vehicle in front v: 28.4884

Speed limit v: 22.0982

Chosen v: 29.7582

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 66.6583

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 67.6325

Initial v: 67.6325

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 30.4534

Max deceleration v: 29.8534

Vehicle in front v: 28.545

Speed limit v: 22.0982

Chosen v: 29.8534

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 66.8715

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 67.8565

Initial v: 67.8565

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 30.5507

Max deceleration v: 29.9507

Vehicle in front v: 28.6869

Speed limit v: 22.0982

Chosen v: 29.9507

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 67.0895

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 68.0805

Initial v: 68.0805

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 30.65

Max deceleration v: 30.05

Vehicle in front v: 28.7685

Speed limit v: 22.0982

Chosen v: 30.05

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 67.3121

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 68.3045

Initial v: 68.3045

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 30.7515

Max deceleration v: 30.1515

Vehicle in front v: 28.9388

Speed limit v: 22.0982

Chosen v: 30.1515

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 67.5393

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 68.5285

Initial v: 68.5285

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 30.855

Max deceleration v: 30.255

Vehicle in front v: 29.0062

Speed limit v: 22.0982

Chosen v: 30.255

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 67.7711

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 68.7525

Initial v: 68.7525

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 30.9592

Max deceleration v: 30.3592

Vehicle in front v: 29.1213

Speed limit v: 22.0982

Chosen v: 30.3592

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 68.0046

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 68.9765

Initial v: 68.9765

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 31.0647

Max deceleration v: 30.4647

Vehicle in front v: 29.1964

Speed limit v: 22.0982

Chosen v: 30.4647

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 68.2409

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 69.2005

Initial v: 69.2005

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 31.1714

Max deceleration v: 30.5714

Vehicle in front v: 29.3166

Speed limit v: 22.0982

Chosen v: 30.5714

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 68.48

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 69.4245

Initial v: 69.4245

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 31.2794

Max deceleration v: 30.6794

Vehicle in front v: 29.3734

Speed limit v: 22.0982

Chosen v: 30.6794

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 68.7219

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 69.6485

Initial v: 69.6485

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 31.3862

Max deceleration v: 30.7862

Vehicle in front v: 29.5172

Speed limit v: 22.0982

Chosen v: 30.7862

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 68.9611

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 69.8725

Initial v: 69.8725

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 31.4937

Max deceleration v: 30.8937

Vehicle in front v: 29.5766

Speed limit v: 22.0982

Chosen v: 30.8937

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 69.2018

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 70.0965

Initial v: 70.0965

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 31.5548

Max deceleration v: 30.9548

Vehicle in front v: 29.6978

Speed limit v: 22.0982

Chosen v: 30.9548

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 69.3388

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 70.3205

Initial v: 70.3205

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 31.7137

Max deceleration v: 31.1137

Vehicle in front v: 29.77

Speed limit v: 22.0982

Chosen v: 31.1137

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 69.6948

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 70.5445

Initial v: 70.5445

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 31.777

Max deceleration v: 31.177

Vehicle in front v: 29.8778

Speed limit v: 22.0982

Chosen v: 31.177

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 69.8364

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 70.7685

Initial v: 70.7685

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 31.8414

Max deceleration v: 31.2414

Vehicle in front v: 29.935

Speed limit v: 22.0982

Chosen v: 31.2414

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 69.9808

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 70.9925

Initial v: 70.9925

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 32.0027

Max deceleration v: 31.4027

Vehicle in front v: 30.0718

Speed limit v: 22.0982

Chosen v: 31.4027

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 70.3421

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 71.2165

Initial v: 71.2165

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 32.0607

Max deceleration v: 31.4607

Vehicle in front v: 30.1328

Speed limit v: 22.0982

Chosen v: 31.4607

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 70.4721

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 71.4405

Initial v: 71.4405

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 32.2187

Max deceleration v: 31.6187

Vehicle in front v: 30.2632

Speed limit v: 22.0982

Chosen v: 31.6187

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 70.8259

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 71.6645

Initial v: 71.6645

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 32.2773

Max deceleration v: 31.6773

Vehicle in front v: 30.3268

Speed limit v: 22.0982

Chosen v: 31.6773

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 70.9571

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 71.8885

Initial v: 71.8885

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 32.3905

Max deceleration v: 31.7905

Vehicle in front v: 30.4574

Speed limit v: 22.0982

Chosen v: 31.7905

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 71.2108

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 72.1125

Initial v: 72.1125

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 32.4996

Max deceleration v: 31.8996

Vehicle in front v: 30.5253

Speed limit v: 22.0982

Chosen v: 31.8996

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 71.455

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 72.3365

Initial v: 72.3365

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 32.5591

Max deceleration v: 31.9591

Vehicle in front v: 30.6802

Speed limit v: 22.0982

Chosen v: 31.9591

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 71.5884

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 72.5605

Initial v: 72.5605

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 32.6687

Max deceleration v: 32.0687

Vehicle in front v: 30.7466

Speed limit v: 22.0982

Chosen v: 32.0687

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 71.8338

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 72.7845

Initial v: 72.7845

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 32.7733

Max deceleration v: 32.1733

Vehicle in front v: 30.8923

Speed limit v: 22.0982

Chosen v: 32.1733

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 72.0681

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 73.0085

Initial v: 73.0085

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 32.8779

Max deceleration v: 32.2779

Vehicle in front v: 30.9583

Speed limit v: 22.0982

Chosen v: 32.2779

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 72.3025

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 73.2325

Initial v: 73.2325

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 32.9382

Max deceleration v: 32.3382

Vehicle in front v: 31.0899

Speed limit v: 22.0982

Chosen v: 32.3382

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 72.4376

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 73.4565

Initial v: 73.4565

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 33.054

Max deceleration v: 32.454

Vehicle in front v: 31.1602

Speed limit v: 22.0982

Chosen v: 32.454

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 72.697

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 73.6805

Initial v: 73.6805

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 33.1704

Max deceleration v: 32.5704

Vehicle in front v: 31.2609

Speed limit v: 22.0982

Chosen v: 32.5704

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 72.9577

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 73.9045

Initial v: 73.9045

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 33.2934

Max deceleration v: 32.6934

Vehicle in front v: 31.3242

Speed limit v: 22.0982

Chosen v: 32.6934

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 73.2332

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 74.1285

Initial v: 74.1285

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 33.3678

Max deceleration v: 32.7678

Vehicle in front v: 31.4697

Speed limit v: 22.0982

Chosen v: 32.7678

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 73.3999

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 74.3525

Initial v: 74.3525

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 33.4996

Max deceleration v: 32.8996

Vehicle in front v: 31.5459

Speed limit v: 22.0982

Chosen v: 32.8996

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 73.6951

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 74.5765

Initial v: 74.5765

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 33.5835

Max deceleration v: 32.9835

Vehicle in front v: 31.6577

Speed limit v: 22.0982

Chosen v: 32.9835

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 73.8831

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 74.8005

Initial v: 74.8005

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 33.6618

Max deceleration v: 33.0618

Vehicle in front v: 31.7097

Speed limit v: 22.0982

Chosen v: 33.0618

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 74.0584

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 75.0245

Initial v: 75.0245

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 33.7488

Max deceleration v: 33.1488

Vehicle in front v: 31.8755

Speed limit v: 22.0982

Chosen v: 33.1488

State: LCR

Lane change unavailable

Chosen state: KL

Proposed speed: 74.2534

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 75.2485

Initial v: 75.2485

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 33.8789

Max deceleration v: 33.2789

Vehicle in front v: 31.9274

Speed limit v: 22.0982

Chosen v: 33.2789

State: LCR

Lane change available

No vehicle in front

Max acceleration v: 33.8789

Speed limit v: 22.0982

Chosen v: 33.2789

Chosen state: KL

Proposed speed: 74.5448

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 75.4725

Initial v: 75.4725

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 33.9607

Max deceleration v: 33.3607

Vehicle in front v: 32.0787

Speed limit v: 22.0982

Chosen v: 33.3607

State: LCR

Lane change available

No vehicle in front

Max acceleration v: 33.9607

Speed limit v: 22.0982

Chosen v: 33.3607

Chosen state: KL

Proposed speed: 74.728

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 75.6965

Initial v: 75.6965

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 34.0928

Max deceleration v: 33.4928

Vehicle in front v: 32.1542

Speed limit v: 22.0982

Chosen v: 33.4928

State: LCR

Lane change available

No vehicle in front

Max acceleration v: 34.0928

Speed limit v: 22.0982

Chosen v: 33.4928

Chosen state: KL

Proposed speed: 75.0238

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 75.9205

Initial v: 75.9205

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 34.1679

Max deceleration v: 33.5679

Vehicle in front v: 32.2586

Speed limit v: 22.0982

Chosen v: 33.5679

State: LCR

Lane change available

No vehicle in front

Max acceleration v: 34.1679

Speed limit v: 22.0982

Chosen v: 33.5679

Chosen state: KL

Proposed speed: 75.192

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 76.1445

Initial v: 76.1445

Choose Next State

=================

State: KL

Vehicle in front

Vehicle in buffer region

Max acceleration v: 34.2435

Max deceleration v: 33.6435

Vehicle in front v: 32.3157

Speed limit v: 22.0982

Chosen v: 33.6435

State: LCR

Lane change available

No vehicle in front

Max acceleration v: 34.2435

Speed limit v: 22.0982

Chosen v: 33.6435

Chosen state: KL

Proposed speed: 75.3615

Delta velocity: -0.224

Delta velocity max: -0.224

Final v: 76.3685