Task 1: Start cell: (17, 17) Goal cell: (8, 10)

BTDebug: Message Received.
(0.3970000147819519, 0.42100000381469727, 0.4440000057220459, 0.47699999809265137, 0.5059999823570251, 0.5239999890327454, 0.5659999847412109, 0.625, 0.7129999995231628, 0.8460000157356262, 1.0190000534057617, 1.0989999771118164, 1.1260000467300415, 1.1269999742507935, 1.128000020980835, 1.128999948501587, 1.125, 1.1269999742507935, 0.0, 0.0, 0.0)
Initializing beliefs with a Uniform Distribution
Uniform Belief with each cell value: 0.0001388888888888889
Update Step
    | Update Time: 0.020839214324951172

---------- UPDATE STATS ----------
GT index   : (10, 10, 9)
Bel index   : (14, 4, 0) with prob = 0.5906060
Bel_bar prob at index = 0.0001388888888888889

GT   : (0.000, 0.000, 0.000)
Belief   : (0.619, -0.413, -170.000)
POS ERROR : (-0.619, 0.413, 170.000)
---------- UPDATE STATS ----------
t
BTDebug: Message Received.
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BTDebug: Message Received.
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BTDebug: Message Received.
BTDebug: Message Received.
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BTDebug: Message Received.
BTDebug: Message Received.
(0.3970000147819519, 0.42100000381469727, 0.4440000057220459, 0.47699999809265137, 0.5059999823570251, 0.5239999890327454, 0.5659999847412109, 0.625, 0.7129999995231628, 0.8460000157356262, 1.0190000534057617, 1.0989999771118164, 1.1260000467300415, 1.1269999742507935, 1.128000020980835, 1.128999948501587, 1.125, 1.1269999742507935, 0.0, 0.0, 0.0)
Prediction Step
Uniform Belief with each cell value: 0.0
    | Prediction Time: 3.477532148361206

---------- PREDICTION STATS ----------
GT index   : (10, 10, 9)
Prior Bel index   : (0, 19, 6) with prob = 0.7558650
POS ERROR   : (1.306, -0.713, 50.000)
---------- PREDICTION STATS ----------
Update Step
    | Update Time: 0.01747751235961914

---------- UPDATE STATS ----------
GT index   : (10, 10, 9)
Bel index   : (0, 17, 7) with prob = 0.9999999
Bel_bar prob at index = 2.346605342047061e-05

GT   : (0.000, 0.000, 0.000)
Belief   : (-1.306, 0.562, -30.000)
POS ERROR : (1.306, -0.562, 30.000)
---------- UPDATE STATS ----------

Task2: Start cell: (3, 9) Goal cell: (9, 17)

BTDebug: Message Received.
(0.2029999941587448, 1.5099999904632568, 0.5699999928474426, 0.37400001287460327, 0.3190000057220459, 0.2759999930858612, 0.2720000147819519, 0.31299999356269836, 0.3569999933242798, 0.4189999997615814, 0.6549999713897705, 1.1790000200271606, 0.16899999976158142, 0.1899999976158142, 0.27399998903274536, 1.1109999418258667, 0.8970000147819519, 1.7289999723434448, -0.7887430191040039, 0.3788183033466339, 51.494407653808594)
Initializing beliefs with a Uniform Distribution
Uniform Belief with each cell value: 0.0001388888888888889
Update Step
    | Update Time: 0.023487091064453125

---------- UPDATE STATS ----------
GT index   : (4, 15, 11)
Bel index   : (8, 17, 7) with prob = 0.9999999
Bel_bar prob at index = 0.0001388888888888889

GT   : (-0.789, 0.379, 51.494)
Belief   : (-0.206, 0.562, -30.000)
POS ERROR : (-0.582, -0.184, 81.494)
---------- UPDATE STATS ----------
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BTDebug: Message Received.
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BTDebug: Message Received.
BTDebug: Message Received.
(1.5579999685287476, 0.30399999022483826, 0.38199999928474426, 0.7080000042915344, 0.9860000014305115, 1.031000018119812, 0.5519999861717224, 0.4690000116825104, 1.6629999876022339, 1.8200000524520874, 2.1760001182556152, 0.6389999985694885, 0.6439999938011169, 0.4429999887943268, 0.3720000088214874, 0.3330000042915344, 0.39500001072883606, 0.4440000057220459, -1.9348310232162476, 0.8809289932250977, -10.729324340820312)
Prediction Step
Uniform Belief with each cell value: 0.0
    | Prediction Time: 1.077768087387085

---------- PREDICTION STATS ----------
GT index   : (-4, 21, 8)
Prior Bel index   : (0, 0, 0) with prob = nan
POS ERROR   : (-0.629, 1.593, 159.271)
---------- PREDICTION STATS ----------
Update Step
    | Update Time: 0.031149625778198242

---------- UPDATE STATS ----------
GT index   : (-4, 21, 8)
Bel index   : (0, 0, 0) with prob = nan
Bel_bar prob at index = nan

GT   : (-1.935, 0.881, -10.729)
Belief   : (-1.306, -0.713, -170.000)
POS ERROR : (-0.629, 1.593, 159.271)
---------- UPDATE STATS ----------

Task 3: Start cell: (15, 2) Goal cell: (8, 10)

BTDebug: Message Received.
(2.9149999618530273, 2.503999948501587, 0.3959999978542328, 0.4480000138282776, 1.1039999723434448, 1.0399999618530273, 0.6710000038146973, 0.3889999985694885, 0.29499998688697815, 0.24199999868869781, 0.20200000703334808, 0.18400000035762787, 0.1809999942779541, 0.18400000035762787, 0.19200000166893005, 0.20200000703334808, 0.20999999344348907, 0.2280000001192093, 0.0, 0.0, 0.0)
Initializing beliefs with a Uniform Distribution
Uniform Belief with each cell value: 0.0001388888888888889
Update Step
    | Update Time: 0.022646665573120117

---------- UPDATE STATS ----------
GT index   : (10, 10, 9)
Bel index   : (2, 3, 9) with prob = 0.9999999
Bel_bar prob at index = 0.0001388888888888889

GT   : (0.000, 0.000, 0.000)
Belief   : (-1.031, -0.488, 10.000)
POS ERROR : (1.031, 0.488, -10.000)
---------- UPDATE STATS ----------
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BTDebug: Message Received.
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BTDebug: Message Received.
(0.25600001215934753, 0.34700000286102295, 1.0520000457763672, 0.906000018119812,
0.8370000123977661, 0.7960000038146973, 0.8050000071525574, 0.8330000042915344,
0.8840000033378601, 0.9340000152587891, 1.0010000467300415, 0.9959999918937683,

0.7149999737739563, 0.45100000500679016, 0.37599998712539673, 0.3799999952316284,
0.41100001335144043, 0.41200000047683716, -0.1301637887954712,
-0.18701046705245972, 109.99995422363281)
Prediction Step
Uniform Belief with each cell value: 0.002032646232750722
    | Prediction Time: 0.9058513641357422

---------- PREDICTION STATS -----------
GT index   : (9, 7, 14)
Prior Bel index   : (19, 19, 4) with prob = 0.0009993
POS ERROR   : (-1.436, -0.900, 200.000)
---------- PREDICTION STATS -----------
Update Step
    | Update Time: 0.0226285457611084

---------- UPDATE STATS -----------
GT index   : (9, 7, 14)
Bel index   : (18, 11, 11) with prob = 0.6156527
Bel_bar prob at index = 0.0004381301110168632

GT   : (-0.130, -0.187, 110.000)
Belief   : (1.169, 0.112, 50.000)
POS ERROR : (-1.299, -0.300, 60.000)
---------- UPDATE STATS -----------

Task 4: Start cell: (12, 12) Goal cell: (15, 4)

BTDebug: Message Received.
(0.7739999890327454, 0.6430000066757202, 0.8029999732971191, 1.187999963760376,
0.7710000276565552, 0.33000001311302185, 1.2719999551773071, 1.625,
1.9229999780654907, 0.39800000190734863, 0.296999990940094, 0.4009999930858612,
0.335999995470047, 0.2980000078678131, 0.3700000047683716, 0.6869999766349792,
0.6660000085830688, 1.0379999876022339, 0.0, 0.0, 0.0)
Initializing beliefs with a Uniform Distribution
Uniform Belief with each cell value: 0.0001388888888888889
Update Step
    | Update Time: 0.01787877082824707

---------- UPDATE STATS -----------
GT index   : (10, 10, 9)
Bel index   : (15, 4, 9) with prob = 0.9999955
Bel_bar prob at index = 0.0001388888888888889

GT   : (0.000, 0.000, 0.000)

Belief   : (0.756, -0.413, 10.000)
POS ERROR : (-0.756, 0.413, -10.000)
---------- UPDATE STATS -----------
5 16
6 16
7 16
8 16
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BTDebug: Message Received.
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BTDebug: Message Received.
(0.7820000052452087, 0.5379999876022339, 0.6129999756813049, 0.4779999852180481, 0.4359999895095825, 0.4180000126361847, 0.4169999957084656, 0.4169999957084656, 0.4269999861717224, 0.6539999842643738, 2.203000068664551, 0.1459999978542328, 0.9940000176429749, 0.5270000100135803, 0.546999990940094, 0.41999998688697815, 0.4259999990463257, 0.42800000309944153, -0.9497210383415222, -0.5288527011871338, -109.432861328125)
Prediction Step
Uniform Belief with each cell value: 3.3363954355834414e-47
    | Prediction Time: 0.9294445514678955

---------- PREDICTION STATS ----------
GT index   : (3, 2, 3)
Prior Bel index   : (0, 19, 1) with prob = 0.0198662
POS ERROR   : (0.357, -1.241, 40.567)
---------- PREDICTION STATS ----------
Update Step
    | Update Time: 0.022801876068115234

---------- UPDATE STATS ----------
GT index   : (3, 2, 3)

Bel index : (2, 4, 17) with prob = 0.3735289
Bel_bar prob at index = 4.0079467617951885e-06

GT : (-0.950, -0.529, -109.433)
Belief : (-1.031, -0.413, 170.000)
POS ERROR : (0.082, -0.116, -279.433)
---------- UPDATE STATS ----------
reach the point

Task 5: Start cell: (1, 13) Goal cell: (4, 1)

BTDebug: Message Received.
(0.42800000309944153, 0.847000002861023, 0.5370000004768372, 0.30799999833106995, 0.23600000143051147, 0.2280000001192093, 0.2329999953508377, 0.28600001335144043, 0.4560000002384186, 0.7799999713897705, 1.7359999418258667, 1.4889999628067017, 0.847000002861023, 0.2630000114440918, 1.378000020980835, 0.8999999761581421, 0.8450000286102295, 0.33500000834465027, -0.9497210383415222, -0.5288527011871338, -109.432861328125)
Initializing beliefs with a Uniform Distribution
Uniform Belief with each cell value: 0.0001388888888888889
Update Step
| Update Time: 0.02221846580505371

---------- UPDATE STATS ----------
GT index : (3, 2, 3)
Bel index : (17, 16, 7) with prob = 0.9334542
Bel_bar prob at index = 0.0001388888888888889

GT : (-0.950, -0.529, -109.433)
Belief : (1.031, 0.487, -30.000)
POS ERROR : (-1.981, -1.016, -79.433)
---------- UPDATE STATS ----------
t
BTDebug: Message Received.
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BTDebug: Message Received.
(0.22300000488758087, 0.2939999997615814, 0.6309999823570251, 0.6539999842643738,
0.6669999957084656, 0.6819999814033508, 0.6819999814033508, 0.6830000281333923,
0.7099999785423279, 0.7450000047683716, 0.7609999775886536, 0.7820000052452087,
0.7860000133514404, 0.7870000004768372, 0.7870000004768372, 0.8339999914169312,
0.39899998903274536, 0.35100001096725464, -1.0999219417572021,
-0.5109008550643921, 128.0489501953125)

Prediction Step
Uniform Belief with each cell value: 1.1570896451580894e-104
    | Prediction Time: 3.4240403175354004

---------- PREDICTION STATS ----------
GT index   : (2, 3, 15)
Prior Bel index   : (0, 0, 14) with prob = 0.0324800
POS ERROR   : (0.206, 0.202, 18.049)
---------- PREDICTION STATS ----------
Update Step
    | Update Time: 0.020380258560180664

---------- UPDATE STATS ----------
GT index   : (2, 3, 15)
Bel index   : (3, 6, 11) with prob = 0.8873136
Bel_bar prob at index = 1.2326062151343467e-07

GT   : (-1.100, -0.511, 128.049)
Belief   : (-0.894, -0.263, 50.000)
POS ERROR : (-0.206, -0.248, 78.049)
---------- UPDATE STATS ----------
reach the point