Factual explanation:

Passenger location: 1

Passenger destination: 3

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|R: | : :G|

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|Y| : |B: |

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Counterfactual explanation:

Passenger location: 1

Passenger destination: 3

State Path: 427, 427, 447

Loss function value: 0.95

Action path: EAST

Statement: Given that in state 427 the agent chose to travel NORTH on column 1 in what state would it have travelled NORTH on column 2 instead?  
 In state [4, 2, 1, 3]

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|R: | : :G|

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|Y| : |B: |

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Factual explanation:

Passenger location: 1

Passenger destination: 3

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|R: | : :G|

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|Y| : |B: |

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Counterfactual explanation:

Passenger location: 1

Passenger destination: 3

State Path: 467, 467, 487

Loss function value: 0.95

Action path: EAST

Statement: Given that in state 467 the agent chose to travel NORTH on column 3 in what state would it have travelled NORTH on column 4 instead?  
 In state [4, 4, 1, 3]

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|R: | : :G|

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|Y| : |B: |

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Factual explanation:

Passenger location: 4

Passenger destination: 0

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|R: | : :G|

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|Y| : |B: |

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Counterfactual explanation:

Passenger location: 4

Passenger destination: 0

State Path: 276, 276, 176

Loss function value: 0.95

Action path: NORTH

Statement: Given that in state 276 the agent chose to travel WEST on row 2 in what state would it have travelled WEST on row 1 instead?  
 In state [1, 3, 4, 0]

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|R: | : :G|

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|Y| : |B: |

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Factual explanation:

Passenger location: 4

Passenger destination: 0

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|R: | : :G|

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|Y| : |B: |

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Counterfactual explanation:

Passenger location: 4

Passenger destination: 0

State Path: 276, 276, 176

Loss function value: 0.95

Action path: NORTH

Statement: Given that in state 276 the agent chose to travel WEST on row 2 in what state would it have travelled WEST on row 1 instead?  
 In state [1, 3, 4, 0]

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|R: | : :G|

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|Y| : |B: |

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Factual explanation:

Passenger location: 4

Passenger destination: 0

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|R: | : :G|

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| | : | : |

|Y| : |B: |

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Counterfactual explanation:

Passenger location: 4

Passenger destination: 0

State Path: 276, 276, 176

Loss function value: 0.95

Action path: NORTH

Statement: Given that in state 276 the agent chose to travel WEST on row 2 in what state would it have travelled WEST on row 1 instead?  
 In state [1, 3, 4, 0]

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|R: | : :G|

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|Y| : |B: |

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Factual explanation:

Passenger location: 1

Passenger destination: 2

+---------+

|R: | : :G|

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|Y| : |B: |

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Counterfactual explanation:

Passenger location: 1

Passenger destination: 2

State Path: 186, 186, 286, 386, 366

Loss function value: 0.85

Action path: SOUTH, SOUTH, WEST

Statement: Given that in state 186 the agent chose to travel NORTH on column 4 in what state would it have travelled NORTH on column 3 instead?  
 In state [3, 3, 1, 2]

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|R: | : :G|

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|Y| : |B: |

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Factual explanation:

Passenger location: 1

Passenger destination: 2

+---------+

|R: | : :G|

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|Y| : |B: |

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Counterfactual explanation:

Passenger location: 1

Passenger destination: 2

State Path: 186, 186, 286, 386, 366

Loss function value: 0.85

Action path: SOUTH, SOUTH, WEST

Statement: Given that in state 186 the agent chose to travel NORTH on column 4 in what state would it have travelled NORTH on column 3 instead?  
 In state [3, 3, 1, 2]

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|R: | : :G|

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|Y| : |B: |

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Factual explanation:

Passenger location: 4

Passenger destination: 2

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|R: | : :G|

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|Y| : |B: |

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Counterfactual explanation:

Passenger location: 4

Passenger destination: 2

State Path: 318, 318, 218, 238, 258, 158

Loss function value: 0.8

Action path: NORTH, EAST, EAST, NORTH

Statement: Given that in state 318 the agent chose to travel SOUTH on column 0 in what state would it have travelled SOUTH on column 2 instead?  
 In state [1, 2, 4, 2]

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|R: | : :G|

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|Y| : |B: |

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Factual explanation:

Passenger location: 3

Passenger destination: 0

+---------+

|R: | : :G|

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| : : : : |

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|Y| : |B: |

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Counterfactual explanation:

Passenger location: 3

Passenger destination: 0

State Path: 372, 372, 392, 292

Loss function value: 0.9

Action path: EAST, NORTH

Statement: Given that in state 372 the agent chose to travel SOUTH on column 3 in what state would it have travelled SOUTH on column 4 instead?  
 In state [2, 4, 3, 0]

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|R: | : :G|

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|Y| : |B: |

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Factual explanation:

Passenger location: 3

Passenger destination: 0

+---------+

|R: | : :G|

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|Y| : |B: |

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Counterfactual explanation:

Passenger location: 3

Passenger destination: 0

State Path: 372, 372, 272, 292

Loss function value: 0.9

Action path: NORTH, EAST

Statement: Given that in state 372 the agent chose to travel SOUTH on column 3 in what state would it have travelled SOUTH on column 4 instead?  
 In state [2, 4, 3, 0]

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|R: | : :G|

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|Y| : |B: |

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Factual explanation:

Passenger location: 1

Passenger destination: 2

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|R: | : :G|

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|Y| : |B: |

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Counterfactual explanation:

Passenger location: 1

Passenger destination: 2

State Path: 66, 66, 166

Loss function value: 0.95

Action path: SOUTH

Statement: Given that in state 66 the agent chose to travel EAST on row 0 in what state would it have travelled EAST on row 1 instead?  
 In state [1, 3, 1, 2]

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|R: | : :G|

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|Y| : |B: |

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Factual explanation:

Passenger location: 1

Passenger destination: 2

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|R: | : :G|

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|Y| : |B: |

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Counterfactual explanation:

Passenger location: 1

Passenger destination: 2

State Path: 66, 66, 166

Loss function value: 0.95

Action path: SOUTH

Statement: Given that in state 66 the agent chose to travel EAST on row 0 in what state would it have travelled EAST on row 1 instead?  
 In state [1, 3, 1, 2]

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|R: | : :G|

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|Y| : |B: |

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Factual explanation:

Passenger location: 2

Passenger destination: 0

+---------+

|R: | : :G|

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|Y| : |B: |

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Counterfactual explanation:

Passenger location: 2

Passenger destination: 0

State Path: 388, 388, 368

Loss function value: 0.95

Action path: WEST

Statement: Given that in state 388 the agent chose to travel NORTH on column 4 in what state would it have travelled NORTH on column 3 instead?  
 In state [3, 3, 2, 0]

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|R: | : :G|

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|Y| : |B: |

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Factual explanation:

Passenger location: 2

Passenger destination: 0

+---------+

|R: | : :G|

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|Y| : |B: |

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Counterfactual explanation:

Passenger location: 2

Passenger destination: 0

State Path: 388, 388, 368

Loss function value: 0.95

Action path: WEST

Statement: Given that in state 388 the agent chose to travel NORTH on column 4 in what state would it have travelled NORTH on column 3 instead?  
 In state [3, 3, 2, 0]

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|R: | : :G|

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|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 3

Passenger destination: 2

+---------+

|R: | : :G|

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|Y| : |B: |

+---------+

Counterfactual explanation:

Passenger location: 3

Passenger destination: 2

State Path: 194, 194, 174

Loss function value: 0.95

Action path: WEST

Statement: Given that in state 194 the agent chose to travel SOUTH on column 4 in what state would it have travelled SOUTH on column 3 instead?  
 In state [1, 3, 3, 2]

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|R: | : :G|

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|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 3

Passenger destination: 2

+---------+

|R: | : :G|

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| | : | : |

|Y| : |B: |

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Counterfactual explanation:

Passenger location: 3

Passenger destination: 2

State Path: 194, 194, 174

Loss function value: 0.95

Action path: WEST

Statement: Given that in state 194 the agent chose to travel SOUTH on column 4 in what state would it have travelled SOUTH on column 3 instead?  
 In state [1, 3, 3, 2]

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|R: | : :G|

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|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 4

Passenger destination: 3

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|R: | : :G|

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|Y| : |B: |

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Counterfactual explanation:

Passenger location: 4

Passenger destination: 3

State Path: 119, 119, 19

Loss function value: 0.95

Action path: NORTH

Statement: Given that in state 119 the agent chose to travel EAST on row 1 in what state would it have travelled EAST on row 0 instead?  
 In state [0, 0, 4, 3]

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|R: | : :G|

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|Y| : |B: |

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Factual explanation:

Passenger location: 4

Passenger destination: 3

+---------+

|R: | : :G|

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|Y| : |B: |

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Counterfactual explanation:

Passenger location: 4

Passenger destination: 3

State Path: 119, 119, 19

Loss function value: 0.95

Action path: NORTH

Statement: Given that in state 119 the agent chose to travel EAST on row 1 in what state would it have travelled EAST on row 0 instead?  
 In state [0, 0, 4, 3]

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|R: | : :G|

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|Y| : |B: |

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Factual explanation:

Passenger location: 4

Passenger destination: 1

+---------+

|R: | : :G|

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|Y| : |B: |

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Counterfactual explanation:

Passenger location: 4

Passenger destination: 1

State Path: 337, 337, 357

Loss function value: 0.95

Action path: EAST

Statement: Given that in state 337 the agent chose to travel NORTH on column 1 in what state would it have travelled NORTH on column 2 instead?  
 In state [3, 2, 4, 1]

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|R: | : :G|

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|Y| : |B: |

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Factual explanation:

Passenger location: 4

Passenger destination: 1

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|R: | : :G|

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|Y| : |B: |

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Counterfactual explanation:

Passenger location: 4

Passenger destination: 1

State Path: 337, 337, 357

Loss function value: 0.95

Action path: EAST

Statement: Given that in state 337 the agent chose to travel NORTH on column 1 in what state would it have travelled NORTH on column 2 instead?  
 In state [3, 2, 4, 1]

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|R: | : :G|

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|Y| : |B: |

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Factual explanation:

Passenger location: 0

Passenger destination: 1

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|R: | : :G|

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|Y| : |B: |

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Counterfactual explanation:

Passenger location: 0

Passenger destination: 1

State Path: 101, 101, 201, 221, 321

Loss function value: 0.85

Action path: SOUTH, EAST, SOUTH

Statement: Given that in state 101 the agent chose to travel NORTH on column 0 in what state would it have travelled NORTH on column 1 instead?  
 In state [3, 1, 0, 1]

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|R: | : :G|

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|Y| : |B: |

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Factual explanation:

Passenger location: 0

Passenger destination: 1

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|R: | : :G|

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|Y| : |B: |

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Counterfactual explanation:

Passenger location: 0

Passenger destination: 1

State Path: 101, 101, 201, 221, 321

Loss function value: 0.85

Action path: SOUTH, EAST, SOUTH

Statement: Given that in state 101 the agent chose to travel NORTH on column 0 in what state would it have travelled NORTH on column 1 instead?  
 In state [3, 1, 0, 1]

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|R: | : :G|

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|Y| : |B: |

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Factual explanation:

Passenger location: 3

Passenger destination: 0

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|R: | : :G|

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|Y| : |B: |

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Counterfactual explanation:

Passenger location: 3

Passenger destination: 0

State Path: 152, 152, 172

Loss function value: 0.95

Action path: EAST

Statement: Given that in state 152 the agent chose to travel SOUTH on column 2 in what state would it have travelled SOUTH on column 3 instead?  
 In state [1, 3, 3, 0]

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|R: | : :G|

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|Y| : |B: |

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Factual explanation:

Passenger location: 3

Passenger destination: 0

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|R: | : :G|

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|Y| : |B: |

+---------+

Counterfactual explanation:

Passenger location: 3

Passenger destination: 0

State Path: 152, 152, 172

Loss function value: 0.95

Action path: EAST

Statement: Given that in state 152 the agent chose to travel SOUTH on column 2 in what state would it have travelled SOUTH on column 3 instead?  
 In state [1, 3, 3, 0]

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|R: | : :G|

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|Y| : |B: |

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Factual explanation:

Passenger location: 4

Passenger destination: 2

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|R: | : :G|

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|Y| : |B: |

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Counterfactual explanation:

Passenger location: 4

Passenger destination: 2

State Path: 178, 178, 78

Loss function value: 0.95

Action path: NORTH

Statement: Given that in state 178 the agent chose to travel WEST on row 1 in what state would it have travelled WEST on row 0 instead?  
 In state [0, 3, 4, 2]

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|R: | : :G|

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|Y| : |B: |

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Factual explanation:

Passenger location: 4

Passenger destination: 2

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|R: | : :G|

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|Y| : |B: |

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Counterfactual explanation:

Passenger location: 4

Passenger destination: 2

State Path: 178, 178, 278

Loss function value: 0.95

Action path: SOUTH

Statement: Given that in state 178 the agent chose to travel WEST on row 1 in what state would it have travelled WEST on row 2 instead?  
 In state [2, 3, 4, 2]

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|R: | : :G|

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|Y| : |B: |

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Factual explanation:

Passenger location: 4

Passenger destination: 2

+---------+

|R: | : :G|

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|Y| : |B: |

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Counterfactual explanation:

Passenger location: 4

Passenger destination: 2

State Path: 178, 178, 78

Loss function value: 0.95

Action path: NORTH

Statement: Given that in state 178 the agent chose to travel WEST on row 1 in what state would it have travelled WEST on row 0 instead?  
 In state [0, 3, 4, 2]

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|R: | : :G|

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|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 2

Passenger destination: 0

+---------+

|R: | : :G|

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|Y| : |B: |

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Counterfactual explanation:

Passenger location: 2

Passenger destination: 0

State Path: 308, 308, 208, 108, 8, 28

Loss function value: 0.8

Action path: NORTH, NORTH, NORTH, EAST

Statement: Given that in state 308 the agent chose to travel SOUTH on column 0 in what state would it have travelled SOUTH on column 1 instead?  
 In state [0, 1, 2, 0]

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|R: | : :G|

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|Y| : |B: |

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Factual explanation:

Passenger location: 1

Passenger destination: 2

+---------+

|R: | : :G|

| : | : : |

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| | : | : |

|Y| : |B: |

+---------+

Counterfactual explanation:

Passenger location: 1

Passenger destination: 2

State Path: 286, 286, 266, 366

Loss function value: 0.9

Action path: WEST, SOUTH

Statement: Given that in state 286 the agent chose to travel NORTH on column 4 in what state would it have travelled NORTH on column 3 instead?  
 In state [3, 3, 1, 2]

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|R: | : :G|

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|Y| : |B: |

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Factual explanation:

Passenger location: 1

Passenger destination: 2

+---------+

|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

+---------+

Counterfactual explanation:

Passenger location: 1

Passenger destination: 2

State Path: 286, 286, 266, 366

Loss function value: 0.9

Action path: WEST, SOUTH

Statement: Given that in state 286 the agent chose to travel NORTH on column 4 in what state would it have travelled NORTH on column 3 instead?  
 In state [3, 3, 1, 2]

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|R: | : :G|

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|Y| : |B: |

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Factual explanation:

Passenger location: 4

Passenger destination: 1

+---------+

|R: | : :G|

| : | : : |

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|Y| : |B: |

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Counterfactual explanation:

Passenger location: 4

Passenger destination: 1

State Path: 397, 397, 377, 277, 257, 357

Loss function value: 0.8

Action path: WEST, NORTH, WEST, SOUTH

Statement: Given that in state 397 the agent chose to travel NORTH on column 4 in what state would it have travelled NORTH on column 2 instead?  
 In state [3, 2, 4, 1]

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|R: | : :G|

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|Y| : |B: |

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Factual explanation:

Passenger location: 4

Passenger destination: 1

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|R: | : :G|

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|Y| : |B: |

+---------+

Counterfactual explanation:

Passenger location: 4

Passenger destination: 1

State Path: 397, 397, 297, 277, 257, 357

Loss function value: 0.8

Action path: NORTH, WEST, WEST, SOUTH

Statement: Given that in state 397 the agent chose to travel NORTH on column 4 in what state would it have travelled NORTH on column 2 instead?  
 In state [3, 2, 4, 1]

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|R: | : :G|

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|Y| : |B: |

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Factual explanation:

Passenger location: 4

Passenger destination: 1

+---------+

|R: | : :G|

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|Y| : |B: |

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Counterfactual explanation:

Passenger location: 4

Passenger destination: 1

State Path: 37, 37, 17, 117

Loss function value: 0.9

Action path: WEST, SOUTH

Statement: Given that in state 37 the agent chose to travel SOUTH on column 1 in what state would it have travelled SOUTH on column 0 instead?  
 In state [1, 0, 4, 1]

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|R: | : :G|

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|Y| : |B: |

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Factual explanation:

Passenger location: 4

Passenger destination: 0

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|R: | : :G|

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| | : | : |

|Y| : |B: |

+---------+

No counterfactual found for target SOUTH

Factual explanation:

Passenger location: 4

Passenger destination: 0

+---------+

|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

+---------+

No counterfactual found for target SOUTH

Factual explanation:

Passenger location: 4

Passenger destination: 0

+---------+

|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

+---------+

No counterfactual found for target EAST

Factual explanation:

Passenger location: 4

Passenger destination: 0

+---------+

|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

+---------+

No counterfactual found for target EAST

Factual explanation:

Passenger location: 1

Passenger destination: 0

+---------+

|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

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Counterfactual explanation:

Passenger location: 1

Passenger destination: 0

State Path: 284, 284, 264, 244, 344

Loss function value: 0.85

Action path: WEST, WEST, SOUTH

Statement: Given that in state 284 the agent chose to travel NORTH on column 4 in what state would it have travelled NORTH on column 2 instead?  
 In state [3, 2, 1, 0]

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|R: | : :G|

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| | : | : |

|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 1

Passenger destination: 0

+---------+

|R: | : :G|

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| | : | : |

|Y| : |B: |

+---------+

Counterfactual explanation:

Passenger location: 1

Passenger destination: 0

State Path: 284, 284, 384, 484, 464

Loss function value: 0.85

Action path: SOUTH, SOUTH, WEST

Statement: Given that in state 284 the agent chose to travel NORTH on column 4 in what state would it have travelled NORTH on column 3 instead?  
 In state [4, 3, 1, 0]

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|R: | : :G|

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|Y| : |B: |

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Factual explanation:

Passenger location: 2

Passenger destination: 0

+---------+

|R: | : :G|

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|Y| : |B: |

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Counterfactual explanation:

Passenger location: 2

Passenger destination: 0

State Path: 48, 48, 68

Loss function value: 0.95

Action path: EAST

Statement: Given that in state 48 the agent chose to travel SOUTH on column 2 in what state would it have travelled SOUTH on column 3 instead?  
 In state [0, 3, 2, 0]

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|R: | : :G|

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|Y| : |B: |

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Factual explanation:

Passenger location: 4

Passenger destination: 1

+---------+

|R: | : :G|

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| : : : : |

| | : | : |

|Y| : |B: |

+---------+

Counterfactual explanation:

Passenger location: 4

Passenger destination: 1

State Path: 277, 277, 377

Loss function value: 0.95

Action path: SOUTH

Statement: Given that in state 277 the agent chose to travel EAST on row 2 in what state would it have travelled EAST on row 3 instead?  
 In state [3, 3, 4, 1]

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|R: | : :G|

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|Y| : |B: |

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Factual explanation:

Passenger location: 4

Passenger destination: 1

+---------+

|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

+---------+

Counterfactual explanation:

Passenger location: 4

Passenger destination: 1

State Path: 277, 277, 177

Loss function value: 0.95

Action path: NORTH

Statement: Given that in state 277 the agent chose to travel EAST on row 2 in what state would it have travelled EAST on row 1 instead?  
 In state [1, 3, 4, 1]

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|R: | : :G|

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|Y| : |B: |

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Factual explanation:

Passenger location: 4

Passenger destination: 1

+---------+

|R: | : :G|

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| : : : : |

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|Y| : |B: |

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Counterfactual explanation:

Passenger location: 4

Passenger destination: 1

State Path: 277, 277, 177

Loss function value: 0.95

Action path: NORTH

Statement: Given that in state 277 the agent chose to travel EAST on row 2 in what state would it have travelled EAST on row 1 instead?  
 In state [1, 3, 4, 1]

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|R: | : :G|

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|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 1

Passenger destination: 3

+---------+

|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

+---------+

Counterfactual explanation:

Passenger location: 1

Passenger destination: 3

State Path: 7, 7, 27

Loss function value: 0.95

Action path: EAST

Statement: Given that in state 7 the agent chose to travel SOUTH on column 0 in what state would it have travelled SOUTH on column 1 instead?  
 In state [0, 1, 1, 3]

+---------+

|R: | : :G|

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| | : | : |

|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 2

Passenger destination: 1

+---------+

|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

+---------+

Counterfactual explanation:

Passenger location: 2

Passenger destination: 1

State Path: 149, 149, 249, 229, 209

Loss function value: 0.85

Action path: SOUTH, WEST, WEST

Statement: Given that in state 149 the agent chose to travel SOUTH on column 2 in what state would it have travelled SOUTH on column 0 instead?  
 In state [2, 0, 2, 1]

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|R: | : :G|

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|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 2

Passenger destination: 1

+---------+

|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

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Counterfactual explanation:

Passenger location: 2

Passenger destination: 1

State Path: 149, 149, 249, 229, 209

Loss function value: 0.85

Action path: SOUTH, WEST, WEST

Statement: Given that in state 149 the agent chose to travel SOUTH on column 2 in what state would it have travelled SOUTH on column 0 instead?  
 In state [2, 0, 2, 1]

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|R: | : :G|

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| | : | : |

|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 3

Passenger destination: 1

+---------+

|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

+---------+

Counterfactual explanation:

Passenger location: 3

Passenger destination: 1

State Path: 293, 293, 393, 493

Loss function value: 0.9

Action path: SOUTH, SOUTH

Statement: Given that in state 293 the agent chose to travel WEST on row 2 in what state would it have travelled WEST on row 4 instead?  
 In state [4, 4, 3, 1]

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|R: | : :G|

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| | : | : |

|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 3

Passenger destination: 1

+---------+

|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

+---------+

Counterfactual explanation:

Passenger location: 3

Passenger destination: 1

State Path: 293, 293, 393, 493

Loss function value: 0.9

Action path: SOUTH, SOUTH

Statement: Given that in state 293 the agent chose to travel WEST on row 2 in what state would it have travelled WEST on row 4 instead?  
 In state [4, 4, 3, 1]

+---------+

|R: | : :G|

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| | : | : |

|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 0

Passenger destination: 2

+---------+

|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

+---------+

Counterfactual explanation:

Passenger location: 0

Passenger destination: 2

State Path: 62, 62, 42

Loss function value: 0.95

Action path: WEST

Statement: Given that in state 62 the agent chose to travel SOUTH on column 3 in what state would it have travelled SOUTH on column 2 instead?  
 In state [0, 2, 0, 2]

+---------+

|R: | : :G|

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| : : : : |

| | : | : |

|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 0

Passenger destination: 2

+---------+

|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

+---------+

Counterfactual explanation:

Passenger location: 0

Passenger destination: 2

State Path: 62, 62, 42

Loss function value: 0.95

Action path: WEST

Statement: Given that in state 62 the agent chose to travel SOUTH on column 3 in what state would it have travelled SOUTH on column 2 instead?  
 In state [0, 2, 0, 2]

+---------+

|R: | : :G|

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| : : : : |

| | : | : |

|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 0

Passenger destination: 3

+---------+

|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

+---------+

Counterfactual explanation:

Passenger location: 0

Passenger destination: 3

State Path: 223, 223, 123

Loss function value: 0.95

Action path: NORTH

Statement: Given that in state 223 the agent chose to travel WEST on row 2 in what state would it have travelled WEST on row 1 instead?  
 In state [1, 1, 0, 3]

+---------+

|R: | : :G|

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| | : | : |

|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 0

Passenger destination: 3

+---------+

|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

+---------+

Counterfactual explanation:

Passenger location: 0

Passenger destination: 3

State Path: 223, 223, 123

Loss function value: 0.95

Action path: NORTH

Statement: Given that in state 223 the agent chose to travel WEST on row 2 in what state would it have travelled WEST on row 1 instead?  
 In state [1, 1, 0, 3]

+---------+

|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 0

Passenger destination: 3

+---------+

|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

+---------+

Counterfactual explanation:

Passenger location: 0

Passenger destination: 3

State Path: 223, 223, 123

Loss function value: 0.95

Action path: NORTH

Statement: Given that in state 223 the agent chose to travel WEST on row 2 in what state would it have travelled WEST on row 1 instead?  
 In state [1, 1, 0, 3]

+---------+

|R: | : :G|

| : | : : |

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| | : | : |

|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 0

Passenger destination: 3

+---------+

|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

+---------+

Counterfactual explanation:

Passenger location: 0

Passenger destination: 3

State Path: 123, 123, 223

Loss function value: 0.95

Action path: SOUTH

Statement: Given that in state 123 the agent chose to travel WEST on row 1 in what state would it have travelled WEST on row 2 instead?  
 In state [2, 1, 0, 3]

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|R: | : :G|

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|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 0

Passenger destination: 3

+---------+

|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

+---------+

Counterfactual explanation:

Passenger location: 0

Passenger destination: 3

State Path: 123, 123, 23

Loss function value: 0.95

Action path: NORTH

Statement: Given that in state 123 the agent chose to travel WEST on row 1 in what state would it have travelled WEST on row 0 instead?  
 In state [0, 1, 0, 3]

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|R: | : :G|

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| | : | : |

|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 1

Passenger destination: 0

+---------+

|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

+---------+

Counterfactual explanation:

Passenger location: 1

Passenger destination: 0

State Path: 44, 44, 144

Loss function value: 0.95

Action path: SOUTH

Statement: Given that in state 44 the agent chose to travel EAST on row 0 in what state would it have travelled EAST on row 1 instead?  
 In state [1, 2, 1, 0]

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|R: | : :G|

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| | : | : |

|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 1

Passenger destination: 3

+---------+

|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

+---------+

Counterfactual explanation:

Passenger location: 1

Passenger destination: 3

State Path: 327, 327, 227

Loss function value: 0.95

Action path: NORTH

Statement: Given that in state 327 the agent chose to travel EAST on row 3 in what state would it have travelled EAST on row 2 instead?  
 In state [2, 1, 1, 3]

+---------+

|R: | : :G|

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| | : | : |

|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 1

Passenger destination: 3

+---------+

|R: | : :G|

| : | : : |

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| | : | : |

|Y| : |B: |

+---------+

Counterfactual explanation:

Passenger location: 1

Passenger destination: 3

State Path: 327, 327, 227

Loss function value: 0.95

Action path: NORTH

Statement: Given that in state 327 the agent chose to travel EAST on row 3 in what state would it have travelled EAST on row 2 instead?  
 In state [2, 1, 1, 3]

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|R: | : :G|

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|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 2

Passenger destination: 3

+---------+

|R: | : :G|

| : | : : |

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| | : | : |

|Y| : |B: |

+---------+

Counterfactual explanation:

Passenger location: 2

Passenger destination: 3

State Path: 211, 211, 231, 251, 151

Loss function value: 0.85

Action path: EAST, EAST, NORTH

Statement: Given that in state 211 the agent chose to travel SOUTH on column 0 in what state would it have travelled SOUTH on column 2 instead?  
 In state [1, 2, 2, 3]

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|R: | : :G|

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|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 2

Passenger destination: 3

+---------+

|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

+---------+

Counterfactual explanation:

Passenger location: 2

Passenger destination: 3

State Path: 211, 211, 231, 251, 151

Loss function value: 0.85

Action path: EAST, EAST, NORTH

Statement: Given that in state 211 the agent chose to travel SOUTH on column 0 in what state would it have travelled SOUTH on column 2 instead?  
 In state [1, 2, 2, 3]

+---------+

|R: | : :G|

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| | : | : |

|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 1

Passenger destination: 2

+---------+

|R: | : :G|

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| | : | : |

|Y| : |B: |

+---------+

Counterfactual explanation:

Passenger location: 1

Passenger destination: 2

State Path: 326, 326, 226

Loss function value: 0.95

Action path: NORTH

Statement: Given that in state 326 the agent chose to travel EAST on row 3 in what state would it have travelled EAST on row 2 instead?  
 In state [2, 1, 1, 2]

+---------+

|R: | : :G|

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| | : | : |

|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 1

Passenger destination: 2

+---------+

|R: | : :G|

| : | : : |

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| | : | : |

|Y| : |B: |

+---------+

Counterfactual explanation:

Passenger location: 1

Passenger destination: 2

State Path: 326, 326, 226

Loss function value: 0.95

Action path: NORTH

Statement: Given that in state 326 the agent chose to travel EAST on row 3 in what state would it have travelled EAST on row 2 instead?  
 In state [2, 1, 1, 2]

+---------+

|R: | : :G|

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| | : | : |

|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 2

Passenger destination: 1

+---------+

|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

+---------+

Counterfactual explanation:

Passenger location: 2

Passenger destination: 1

State Path: 369, 369, 269, 249, 349, 329

Loss function value: 0.8

Action path: NORTH, WEST, SOUTH, WEST

Statement: Given that in state 369 the agent chose to travel NORTH on column 3 in what state would it have travelled NORTH on column 1 instead?  
 In state [3, 1, 2, 1]

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|R: | : :G|

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|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 2

Passenger destination: 1

+---------+

|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

+---------+

Counterfactual explanation:

Passenger location: 2

Passenger destination: 1

State Path: 369, 369, 269, 249, 229, 329

Loss function value: 0.8

Action path: NORTH, WEST, WEST, SOUTH

Statement: Given that in state 369 the agent chose to travel NORTH on column 3 in what state would it have travelled NORTH on column 1 instead?  
 In state [3, 1, 2, 1]

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|R: | : :G|

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|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 4

Passenger destination: 2

+---------+

|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

+---------+

Counterfactual explanation:

Passenger location: 4

Passenger destination: 2

State Path: 98, 98, 198

Loss function value: 0.95

Action path: SOUTH

Statement: Given that in state 98 the agent chose to travel WEST on row 0 in what state would it have travelled WEST on row 1 instead?  
 In state [1, 4, 4, 2]

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|R: | : :G|

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| | : | : |

|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 4

Passenger destination: 2

+---------+

|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

+---------+

Counterfactual explanation:

Passenger location: 4

Passenger destination: 2

State Path: 398, 398, 378

Loss function value: 0.95

Action path: WEST

Statement: Given that in state 398 the agent chose to travel NORTH on column 4 in what state would it have travelled NORTH on column 3 instead?  
 In state [3, 3, 4, 2]

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|R: | : :G|

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| | : | : |

|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 4

Passenger destination: 2

+---------+

|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

+---------+

Counterfactual explanation:

Passenger location: 4

Passenger destination: 2

State Path: 398, 398, 378

Loss function value: 0.95

Action path: WEST

Statement: Given that in state 398 the agent chose to travel NORTH on column 4 in what state would it have travelled NORTH on column 3 instead?  
 In state [3, 3, 4, 2]

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|R: | : :G|

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| | : | : |

|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 4

Passenger destination: 1

+---------+

|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

+---------+

Counterfactual explanation:

Passenger location: 4

Passenger destination: 1

State Path: 357, 357, 337

Loss function value: 0.95

Action path: WEST

Statement: Given that in state 357 the agent chose to travel NORTH on column 2 in what state would it have travelled NORTH on column 1 instead?  
 In state [3, 1, 4, 1]

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|R: | : :G|

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|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 4

Passenger destination: 1

+---------+

|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

+---------+

Counterfactual explanation:

Passenger location: 4

Passenger destination: 1

State Path: 357, 357, 337

Loss function value: 0.95

Action path: WEST

Statement: Given that in state 357 the agent chose to travel NORTH on column 2 in what state would it have travelled NORTH on column 1 instead?  
 In state [3, 1, 4, 1]

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|R: | : :G|

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|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 1

Passenger destination: 3

+---------+

|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

+---------+

Counterfactual explanation:

Passenger location: 1

Passenger destination: 3

State Path: 267, 267, 167

Loss function value: 0.95

Action path: NORTH

Statement: Given that in state 267 the agent chose to travel EAST on row 2 in what state would it have travelled EAST on row 1 instead?  
 In state [1, 3, 1, 3]

+---------+

|R: | : :G|

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| | : | : |

|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 1

Passenger destination: 3

+---------+

|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

+---------+

Counterfactual explanation:

Passenger location: 1

Passenger destination: 3

State Path: 267, 267, 167

Loss function value: 0.95

Action path: NORTH

Statement: Given that in state 267 the agent chose to travel EAST on row 2 in what state would it have travelled EAST on row 1 instead?  
 In state [1, 3, 1, 3]

+---------+

|R: | : :G|

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| : : : : |

| | : | : |

|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 1

Passenger destination: 3

+---------+

|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

+---------+

Counterfactual explanation:

Passenger location: 1

Passenger destination: 3

State Path: 267, 267, 167

Loss function value: 0.95

Action path: NORTH

Statement: Given that in state 267 the agent chose to travel EAST on row 2 in what state would it have travelled EAST on row 1 instead?  
 In state [1, 3, 1, 3]

+---------+

|R: | : :G|

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| | : | : |

|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 4

Passenger destination: 3

+---------+

|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

+---------+

Counterfactual explanation:

Passenger location: 4

Passenger destination: 3

State Path: 499, 499, 399, 299, 199

Loss function value: 0.85

Action path: NORTH, NORTH, NORTH

Statement: Given that in state 499 the agent chose to travel WEST on row 4 in what state would it have travelled WEST on row 1 instead?  
 In state [1, 4, 4, 3]

+---------+

|R: | : :G|

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| | : | : |

|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 4

Passenger destination: 0

+---------+

|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

+---------+

Counterfactual explanation:

Passenger location: 4

Passenger destination: 0

State Path: 316, 316, 416

Loss function value: 0.95

Action path: SOUTH

Statement: Given that in state 316 the agent chose to travel NORTH on column 0 in what state would it have travelled NORTH on column 0 instead?  
 In state [4, 0, 4, 0]

+---------+

|R: | : :G|

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| | : | : |

|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 3

Passenger destination: 2

+---------+

|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

+---------+

Counterfactual explanation:

Passenger location: 3

Passenger destination: 2

State Path: 374, 374, 394

Loss function value: 0.95

Action path: EAST

Statement: Given that in state 374 the agent chose to travel SOUTH on column 3 in what state would it have travelled SOUTH on column 4 instead?  
 In state [3, 4, 3, 2]

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|R: | : :G|

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|Y| : |B: |

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Factual explanation:

Passenger location: 3

Passenger destination: 2

+---------+

|R: | : :G|

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| : : : : |

| | : | : |

|Y| : |B: |

+---------+

Counterfactual explanation:

Passenger location: 3

Passenger destination: 2

State Path: 374, 374, 394

Loss function value: 0.95

Action path: EAST

Statement: Given that in state 374 the agent chose to travel SOUTH on column 3 in what state would it have travelled SOUTH on column 4 instead?  
 In state [3, 4, 3, 2]

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|R: | : :G|

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|Y| : |B: |

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Factual explanation:

Passenger location: 4

Passenger destination: 3

+---------+

|R: | : :G|

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| | : | : |

|Y| : |B: |

+---------+

Counterfactual explanation:

Passenger location: 4

Passenger destination: 3

State Path: 299, 299, 279

Loss function value: 0.95

Action path: WEST

Statement: Given that in state 299 the agent chose to travel SOUTH on column 4 in what state would it have travelled SOUTH on column 3 instead?  
 In state [2, 3, 4, 3]

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|R: | : :G|

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|Y| : |B: |

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Factual explanation:

Passenger location: 4

Passenger destination: 3

+---------+

|R: | : :G|

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| | : | : |

|Y| : |B: |

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Counterfactual explanation:

Passenger location: 4

Passenger destination: 3

State Path: 299, 299, 279

Loss function value: 0.95

Action path: WEST

Statement: Given that in state 299 the agent chose to travel SOUTH on column 4 in what state would it have travelled SOUTH on column 3 instead?  
 In state [2, 3, 4, 3]

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|R: | : :G|

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| | : | : |

|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 1

Passenger destination: 3

+---------+

|R: | : :G|

| : | : : |

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| | : | : |

|Y| : |B: |

+---------+

Counterfactual explanation:

Passenger location: 1

Passenger destination: 3

State Path: 67, 67, 167

Loss function value: 0.95

Action path: SOUTH

Statement: Given that in state 67 the agent chose to travel EAST on row 0 in what state would it have travelled EAST on row 1 instead?  
 In state [1, 3, 1, 3]

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|R: | : :G|

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| | : | : |

|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 1

Passenger destination: 3

+---------+

|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

+---------+

Counterfactual explanation:

Passenger location: 1

Passenger destination: 3

State Path: 67, 67, 167

Loss function value: 0.95

Action path: SOUTH

Statement: Given that in state 67 the agent chose to travel EAST on row 0 in what state would it have travelled EAST on row 1 instead?  
 In state [1, 3, 1, 3]

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|R: | : :G|

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|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 2

Passenger destination: 3

+---------+

|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

+---------+

Counterfactual explanation:

Passenger location: 2

Passenger destination: 3

State Path: 271, 271, 171

Loss function value: 0.95

Action path: NORTH

Statement: Given that in state 271 the agent chose to travel WEST on row 2 in what state would it have travelled WEST on row 1 instead?  
 In state [1, 3, 2, 3]

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|R: | : :G|

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|Y| : |B: |

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Factual explanation:

Passenger location: 2

Passenger destination: 3

+---------+

|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

+---------+

Counterfactual explanation:

Passenger location: 2

Passenger destination: 3

State Path: 271, 271, 171

Loss function value: 0.95

Action path: NORTH

Statement: Given that in state 271 the agent chose to travel WEST on row 2 in what state would it have travelled WEST on row 1 instead?  
 In state [1, 3, 2, 3]

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|R: | : :G|

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|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 2

Passenger destination: 3

+---------+

|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

+---------+

Counterfactual explanation:

Passenger location: 2

Passenger destination: 3

State Path: 271, 271, 171

Loss function value: 0.95

Action path: NORTH

Statement: Given that in state 271 the agent chose to travel WEST on row 2 in what state would it have travelled WEST on row 1 instead?  
 In state [1, 3, 2, 3]

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|R: | : :G|

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|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 0

Passenger destination: 3

+---------+

|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

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Counterfactual explanation:

Passenger location: 0

Passenger destination: 3

State Path: 363, 363, 383

Loss function value: 0.95

Action path: EAST

Statement: Given that in state 363 the agent chose to travel NORTH on column 3 in what state would it have travelled NORTH on column 4 instead?  
 In state [3, 4, 0, 3]

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|R: | : :G|

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| | : | : |

|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 0

Passenger destination: 3

+---------+

|R: | : :G|

| : | : : |

| : : : : |

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|Y| : |B: |

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Counterfactual explanation:

Passenger location: 0

Passenger destination: 3

State Path: 363, 363, 383

Loss function value: 0.95

Action path: EAST

Statement: Given that in state 363 the agent chose to travel NORTH on column 3 in what state would it have travelled NORTH on column 4 instead?  
 In state [3, 4, 0, 3]

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|R: | : :G|

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| | : | : |

|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 0

Passenger destination: 1

+---------+

|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

+---------+

Counterfactual explanation:

Passenger location: 0

Passenger destination: 1

State Path: 381, 381, 281

Loss function value: 0.95

Action path: NORTH

Statement: Given that in state 381 the agent chose to travel WEST on row 3 in what state would it have travelled WEST on row 2 instead?  
 In state [2, 4, 0, 1]

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|R: | : :G|

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| | : | : |

|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 0

Passenger destination: 1

+---------+

|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

+---------+

Counterfactual explanation:

Passenger location: 0

Passenger destination: 1

State Path: 381, 381, 281

Loss function value: 0.95

Action path: NORTH

Statement: Given that in state 381 the agent chose to travel WEST on row 3 in what state would it have travelled WEST on row 2 instead?  
 In state [2, 4, 0, 1]

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|R: | : :G|

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| | : | : |

|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 4

Passenger destination: 0

+---------+

|R: | : :G|

| : | : : |

| : : : : |

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|Y| : |B: |

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Counterfactual explanation:

Passenger location: 4

Passenger destination: 0

State Path: 396, 396, 296

Loss function value: 0.95

Action path: NORTH

Statement: Given that in state 396 the agent chose to travel WEST on row 3 in what state would it have travelled WEST on row 2 instead?  
 In state [2, 4, 4, 0]

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|R: | : :G|

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| | : | : |

|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 4

Passenger destination: 0

+---------+

|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

+---------+

Counterfactual explanation:

Passenger location: 4

Passenger destination: 0

State Path: 396, 396, 296

Loss function value: 0.95

Action path: NORTH

Statement: Given that in state 396 the agent chose to travel WEST on row 3 in what state would it have travelled WEST on row 2 instead?  
 In state [2, 4, 4, 0]

+---------+

|R: | : :G|

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|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 2

Passenger destination: 3

+---------+

|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

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Counterfactual explanation:

Passenger location: 2

Passenger destination: 3

State Path: 111, 111, 131, 231, 251, 151

Loss function value: 0.8

Action path: EAST, SOUTH, EAST, NORTH

Statement: Given that in state 111 the agent chose to travel SOUTH on column 0 in what state would it have travelled SOUTH on column 2 instead?  
 In state [1, 2, 2, 3]

+---------+

|R: | : :G|

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|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 2

Passenger destination: 3

+---------+

|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

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Counterfactual explanation:

Passenger location: 2

Passenger destination: 3

State Path: 111, 111, 131, 231, 251, 151

Loss function value: 0.8

Action path: EAST, SOUTH, EAST, NORTH

Statement: Given that in state 111 the agent chose to travel SOUTH on column 0 in what state would it have travelled SOUTH on column 2 instead?  
 In state [1, 2, 2, 3]

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|R: | : :G|

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| | : | : |

|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 0

Passenger destination: 1

+---------+

|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

+---------+

Counterfactual explanation:

Passenger location: 0

Passenger destination: 1

State Path: 241, 241, 341, 441

Loss function value: 0.9

Action path: SOUTH, SOUTH

Statement: Given that in state 241 the agent chose to travel WEST on row 2 in what state would it have travelled WEST on row 4 instead?  
 In state [4, 2, 0, 1]

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|R: | : :G|

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| | : | : |

|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 0

Passenger destination: 1

+---------+

|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

+---------+

Counterfactual explanation:

Passenger location: 0

Passenger destination: 1

State Path: 241, 241, 141, 161

Loss function value: 0.9

Action path: NORTH, EAST

Statement: Given that in state 241 the agent chose to travel WEST on row 2 in what state would it have travelled WEST on row 1 instead?  
 In state [1, 3, 0, 1]

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|R: | : :G|

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| | : | : |

|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 0

Passenger destination: 1

+---------+

|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

+---------+

Counterfactual explanation:

Passenger location: 0

Passenger destination: 1

State Path: 241, 241, 261, 161

Loss function value: 0.9

Action path: EAST, NORTH

Statement: Given that in state 241 the agent chose to travel WEST on row 2 in what state would it have travelled WEST on row 1 instead?  
 In state [1, 3, 0, 1]

+---------+

|R: | : :G|

| : | : : |

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| | : | : |

|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 4

Passenger destination: 1

+---------+

|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

+---------+

Counterfactual explanation:

Passenger location: 4

Passenger destination: 1

State Path: 117, 117, 137

Loss function value: 0.95

Action path: EAST

Statement: Given that in state 117 the agent chose to travel SOUTH on column 0 in what state would it have travelled SOUTH on column 1 instead?  
 In state [1, 1, 4, 1]

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|R: | : :G|

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|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 4

Passenger destination: 1

+---------+

|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

+---------+

Counterfactual explanation:

Passenger location: 4

Passenger destination: 1

State Path: 117, 117, 137

Loss function value: 0.95

Action path: EAST

Statement: Given that in state 117 the agent chose to travel SOUTH on column 0 in what state would it have travelled SOUTH on column 1 instead?  
 In state [1, 1, 4, 1]

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|R: | : :G|

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|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 4

Passenger destination: 1

+---------+

|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

+---------+

No counterfactual found for target SOUTH

Factual explanation:

Passenger location: 4

Passenger destination: 1

+---------+

|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

+---------+

No counterfactual found for target SOUTH

Factual explanation:

Passenger location: 4

Passenger destination: 1

+---------+

|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

+---------+

No counterfactual found for target WEST

Factual explanation:

Passenger location: 4

Passenger destination: 1

+---------+

|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

+---------+

No counterfactual found for target WEST

Factual explanation:

Passenger location: 2

Passenger destination: 1

+---------+

|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

+---------+

No counterfactual found for target NORTH

Factual explanation:

Passenger location: 2

Passenger destination: 1

+---------+

|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

+---------+

No counterfactual found for target NORTH

Factual explanation:

Passenger location: 0

Passenger destination: 1

+---------+

|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

+---------+

Counterfactual explanation:

Passenger location: 0

Passenger destination: 1

State Path: 41, 41, 61, 161, 181

Loss function value: 0.85

Action path: EAST, SOUTH, EAST

Statement: Given that in state 41 the agent chose to travel SOUTH on column 2 in what state would it have travelled SOUTH on column 4 instead?  
 In state [1, 4, 0, 1]

+---------+

|R: | : :G|

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| | : | : |

|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 0

Passenger destination: 3

+---------+

|R: | : :G|

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| : : : : |

| | : | : |

|Y| : |B: |

+---------+

Counterfactual explanation:

Passenger location: 0

Passenger destination: 3

State Path: 383, 383, 363

Loss function value: 0.95

Action path: WEST

Statement: Given that in state 383 the agent chose to travel NORTH on column 4 in what state would it have travelled NORTH on column 3 instead?  
 In state [3, 3, 0, 3]

+---------+

|R: | : :G|

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| | : | : |

|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 0

Passenger destination: 3

+---------+

|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

+---------+

Counterfactual explanation:

Passenger location: 0

Passenger destination: 3

State Path: 383, 383, 363

Loss function value: 0.95

Action path: WEST

Statement: Given that in state 383 the agent chose to travel NORTH on column 4 in what state would it have travelled NORTH on column 3 instead?  
 In state [3, 3, 0, 3]

+---------+

|R: | : :G|

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| | : | : |

|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 1

Passenger destination: 3

+---------+

|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

+---------+

Counterfactual explanation:

Passenger location: 1

Passenger destination: 3

State Path: 447, 447, 427

Loss function value: 0.95

Action path: WEST

Statement: Given that in state 447 the agent chose to travel NORTH on column 2 in what state would it have travelled NORTH on column 1 instead?  
 In state [4, 1, 1, 3]

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|R: | : :G|

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| | : | : |

|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 2

Passenger destination: 3

+---------+

|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

+---------+

Counterfactual explanation:

Passenger location: 2

Passenger destination: 3

State Path: 231, 231, 131

Loss function value: 0.95

Action path: NORTH

Statement: Given that in state 231 the agent chose to travel WEST on row 2 in what state would it have travelled WEST on row 1 instead?  
 In state [1, 1, 2, 3]

+---------+

|R: | : :G|

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| | : | : |

|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 2

Passenger destination: 3

+---------+

|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

+---------+

Counterfactual explanation:

Passenger location: 2

Passenger destination: 3

State Path: 231, 231, 131

Loss function value: 0.95

Action path: NORTH

Statement: Given that in state 231 the agent chose to travel WEST on row 2 in what state would it have travelled WEST on row 1 instead?  
 In state [1, 1, 2, 3]

+---------+

|R: | : :G|

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| : : : : |

| | : | : |

|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 2

Passenger destination: 3

+---------+

|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

+---------+

Counterfactual explanation:

Passenger location: 2

Passenger destination: 3

State Path: 231, 231, 131

Loss function value: 0.95

Action path: NORTH

Statement: Given that in state 231 the agent chose to travel WEST on row 2 in what state would it have travelled WEST on row 1 instead?  
 In state [1, 1, 2, 3]

+---------+

|R: | : :G|

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| | : | : |

|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 0

Passenger destination: 1

+---------+

|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

+---------+

Counterfactual explanation:

Passenger location: 0

Passenger destination: 1

State Path: 221, 221, 121

Loss function value: 0.95

Action path: NORTH

Statement: Given that in state 221 the agent chose to travel WEST on row 2 in what state would it have travelled WEST on row 1 instead?  
 In state [1, 1, 0, 1]

+---------+

|R: | : :G|

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| : : : : |

| | : | : |

|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 0

Passenger destination: 1

+---------+

|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

+---------+

Counterfactual explanation:

Passenger location: 0

Passenger destination: 1

State Path: 221, 221, 121

Loss function value: 0.95

Action path: NORTH

Statement: Given that in state 221 the agent chose to travel WEST on row 2 in what state would it have travelled WEST on row 1 instead?  
 In state [1, 1, 0, 1]

+---------+

|R: | : :G|

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| : : : : |

| | : | : |

|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 0

Passenger destination: 1

+---------+

|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

+---------+

Counterfactual explanation:

Passenger location: 0

Passenger destination: 1

State Path: 221, 221, 121

Loss function value: 0.95

Action path: NORTH

Statement: Given that in state 221 the agent chose to travel WEST on row 2 in what state would it have travelled WEST on row 1 instead?  
 In state [1, 1, 0, 1]

+---------+

|R: | : :G|

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| : : : : |

| | : | : |

|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 0

Passenger destination: 1

+---------+

|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

+---------+

Counterfactual explanation:

Passenger location: 0

Passenger destination: 1

State Path: 341, 341, 321

Loss function value: 0.95

Action path: WEST

Statement: Given that in state 341 the agent chose to travel NORTH on column 2 in what state would it have travelled NORTH on column 1 instead?  
 In state [3, 1, 0, 1]

+---------+

|R: | : :G|

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| | : | : |

|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 0

Passenger destination: 1

+---------+

|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

+---------+

Counterfactual explanation:

Passenger location: 0

Passenger destination: 1

State Path: 341, 341, 321

Loss function value: 0.95

Action path: WEST

Statement: Given that in state 341 the agent chose to travel NORTH on column 2 in what state would it have travelled NORTH on column 1 instead?  
 In state [3, 1, 0, 1]

+---------+

|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 2

Passenger destination: 1

+---------+

|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

+---------+

Counterfactual explanation:

Passenger location: 2

Passenger destination: 1

State Path: 49, 49, 149, 249, 229, 209

Loss function value: 0.8

Action path: SOUTH, SOUTH, WEST, WEST

Statement: Given that in state 49 the agent chose to travel SOUTH on column 2 in what state would it have travelled SOUTH on column 0 instead?  
 In state [2, 0, 2, 1]

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|R: | : :G|

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|Y| : |B: |

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Factual explanation:

Passenger location: 1

Passenger destination: 2

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|R: | : :G|

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|Y| : |B: |

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Counterfactual explanation:

Passenger location: 1

Passenger destination: 2

State Path: 6, 6, 26

Loss function value: 0.95

Action path: EAST

Statement: Given that in state 6 the agent chose to travel SOUTH on column 0 in what state would it have travelled SOUTH on column 1 instead?  
 In state [0, 1, 1, 2]

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|R: | : :G|

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|Y| : |B: |

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Factual explanation:

Passenger location: 3

Passenger destination: 1

+---------+

|R: | : :G|

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|Y| : |B: |

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Counterfactual explanation:

Passenger location: 3

Passenger destination: 1

State Path: 173, 173, 193

Loss function value: 0.95

Action path: EAST

Statement: Given that in state 173 the agent chose to travel SOUTH on column 3 in what state would it have travelled SOUTH on column 4 instead?  
 In state [1, 4, 3, 1]

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|R: | : :G|

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|Y| : |B: |

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Factual explanation:

Passenger location: 3

Passenger destination: 1

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|R: | : :G|

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|Y| : |B: |

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Counterfactual explanation:

Passenger location: 3

Passenger destination: 1

State Path: 173, 173, 153

Loss function value: 0.95

Action path: WEST

Statement: Given that in state 173 the agent chose to travel SOUTH on column 3 in what state would it have travelled SOUTH on column 2 instead?  
 In state [1, 2, 3, 1]

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|R: | : :G|

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|Y| : |B: |

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Factual explanation:

Passenger location: 3

Passenger destination: 1

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|R: | : :G|

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| : : : : |

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|Y| : |B: |

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Counterfactual explanation:

Passenger location: 3

Passenger destination: 1

State Path: 173, 173, 193

Loss function value: 0.95

Action path: EAST

Statement: Given that in state 173 the agent chose to travel SOUTH on column 3 in what state would it have travelled SOUTH on column 4 instead?  
 In state [1, 4, 3, 1]

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|R: | : :G|

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|Y| : |B: |

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Factual explanation:

Passenger location: 3

Passenger destination: 0

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|R: | : :G|

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|Y| : |B: |

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Counterfactual explanation:

Passenger location: 3

Passenger destination: 0

State Path: 392, 392, 492

Loss function value: 0.95

Action path: SOUTH

Statement: Given that in state 392 the agent chose to travel WEST on row 3 in what state would it have travelled WEST on row 4 instead?  
 In state [4, 4, 3, 0]

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|R: | : :G|

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|Y| : |B: |

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Factual explanation:

Passenger location: 3

Passenger destination: 0

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|R: | : :G|

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| : : : : |

| | : | : |

|Y| : |B: |

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Counterfactual explanation:

Passenger location: 3

Passenger destination: 0

State Path: 392, 392, 492

Loss function value: 0.95

Action path: SOUTH

Statement: Given that in state 392 the agent chose to travel WEST on row 3 in what state would it have travelled WEST on row 4 instead?  
 In state [4, 4, 3, 0]

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|R: | : :G|

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|Y| : |B: |

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Factual explanation:

Passenger location: 3

Passenger destination: 1

+---------+

|R: | : :G|

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| | : | : |

|Y| : |B: |

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Counterfactual explanation:

Passenger location: 3

Passenger destination: 1

State Path: 53, 53, 73

Loss function value: 0.95

Action path: EAST

Statement: Given that in state 53 the agent chose to travel SOUTH on column 2 in what state would it have travelled SOUTH on column 3 instead?  
 In state [0, 3, 3, 1]

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|R: | : :G|

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|Y| : |B: |

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Factual explanation:

Passenger location: 3

Passenger destination: 2

+---------+

|R: | : :G|

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|Y| : |B: |

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Counterfactual explanation:

Passenger location: 3

Passenger destination: 2

State Path: 254, 254, 354, 454, 434

Loss function value: 0.85

Action path: SOUTH, SOUTH, WEST

Statement: Given that in state 254 the agent chose to travel EAST on row 2 in what state would it have travelled EAST on row 4 instead?  
 In state [4, 1, 3, 2]

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|R: | : :G|

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|Y| : |B: |

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Factual explanation:

Passenger location: 3

Passenger destination: 2

+---------+

|R: | : :G|

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|Y| : |B: |

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Counterfactual explanation:

Passenger location: 3

Passenger destination: 2

State Path: 254, 254, 234, 134, 114

Loss function value: 0.85

Action path: WEST, NORTH, WEST

Statement: Given that in state 254 the agent chose to travel EAST on row 2 in what state would it have travelled EAST on row 1 instead?  
 In state [1, 0, 3, 2]

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|R: | : :G|

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|Y| : |B: |

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Factual explanation:

Passenger location: 3

Passenger destination: 2

+---------+

|R: | : :G|

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|Y| : |B: |

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Counterfactual explanation:

Passenger location: 3

Passenger destination: 2

State Path: 254, 254, 354, 334, 434

Loss function value: 0.85

Action path: SOUTH, WEST, SOUTH

Statement: Given that in state 254 the agent chose to travel EAST on row 2 in what state would it have travelled EAST on row 4 instead?  
 In state [4, 1, 3, 2]

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|R: | : :G|

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|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 3

Passenger destination: 2

+---------+

|R: | : :G|

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|Y| : |B: |

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Counterfactual explanation:

Passenger location: 3

Passenger destination: 2

State Path: 34, 34, 14

Loss function value: 0.95

Action path: WEST

Statement: Given that in state 34 the agent chose to travel SOUTH on column 1 in what state would it have travelled SOUTH on column 0 instead?  
 In state [0, 0, 3, 2]

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|R: | : :G|

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|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 4

Passenger destination: 3

+---------+

|R: | : :G|

| : | : : |

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|Y| : |B: |

+---------+

Counterfactual explanation:

Passenger location: 4

Passenger destination: 3

State Path: 279, 279, 299

Loss function value: 0.95

Action path: EAST

Statement: Given that in state 279 the agent chose to travel SOUTH on column 3 in what state would it have travelled SOUTH on column 4 instead?  
 In state [2, 4, 4, 3]

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|R: | : :G|

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|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 4

Passenger destination: 3

+---------+

|R: | : :G|

| : | : : |

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| | : | : |

|Y| : |B: |

+---------+

Counterfactual explanation:

Passenger location: 4

Passenger destination: 3

State Path: 279, 279, 299

Loss function value: 0.95

Action path: EAST

Statement: Given that in state 279 the agent chose to travel SOUTH on column 3 in what state would it have travelled SOUTH on column 4 instead?  
 In state [2, 4, 4, 3]

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|R: | : :G|

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|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 4

Passenger destination: 3

+---------+

|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

+---------+

Counterfactual explanation:

Passenger location: 4

Passenger destination: 3

State Path: 279, 279, 299

Loss function value: 0.95

Action path: EAST

Statement: Given that in state 279 the agent chose to travel SOUTH on column 3 in what state would it have travelled SOUTH on column 4 instead?  
 In state [2, 4, 4, 3]

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|R: | : :G|

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|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 1

Passenger destination: 0

+---------+

|R: | : :G|

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| : : : : |

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|Y| : |B: |

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Counterfactual explanation:

Passenger location: 1

Passenger destination: 0

State Path: 204, 204, 104

Loss function value: 0.95

Action path: NORTH

Statement: Given that in state 204 the agent chose to travel EAST on row 2 in what state would it have travelled EAST on row 1 instead?  
 In state [1, 0, 1, 0]

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|R: | : :G|

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|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 1

Passenger destination: 0

+---------+

|R: | : :G|

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| : : : : |

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|Y| : |B: |

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Counterfactual explanation:

Passenger location: 1

Passenger destination: 0

State Path: 204, 204, 104

Loss function value: 0.95

Action path: NORTH

Statement: Given that in state 204 the agent chose to travel EAST on row 2 in what state would it have travelled EAST on row 1 instead?  
 In state [1, 0, 1, 0]

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|R: | : :G|

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|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 0

Passenger destination: 2

+---------+

|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

+---------+

Counterfactual explanation:

Passenger location: 0

Passenger destination: 2

State Path: 202, 202, 222, 322

Loss function value: 0.9

Action path: EAST, SOUTH

Statement: Given that in state 202 the agent chose to travel NORTH on column 0 in what state would it have travelled NORTH on column 1 instead?  
 In state [3, 1, 0, 2]

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|R: | : :G|

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|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 0

Passenger destination: 2

+---------+

|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

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Counterfactual explanation:

Passenger location: 0

Passenger destination: 2

State Path: 202, 202, 222, 322

Loss function value: 0.9

Action path: EAST, SOUTH

Statement: Given that in state 202 the agent chose to travel NORTH on column 0 in what state would it have travelled NORTH on column 1 instead?  
 In state [3, 1, 0, 2]

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|R: | : :G|

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|Y| : |B: |

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Factual explanation:

Passenger location: 0

Passenger destination: 2

+---------+

|R: | : :G|

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|Y| : |B: |

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Counterfactual explanation:

Passenger location: 0

Passenger destination: 2

State Path: 222, 222, 122

Loss function value: 0.95

Action path: NORTH

Statement: Given that in state 222 the agent chose to travel WEST on row 2 in what state would it have travelled WEST on row 1 instead?  
 In state [1, 1, 0, 2]

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|R: | : :G|

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|Y| : |B: |

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Factual explanation:

Passenger location: 0

Passenger destination: 2

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|R: | : :G|

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|Y| : |B: |

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Counterfactual explanation:

Passenger location: 0

Passenger destination: 2

State Path: 222, 222, 122

Loss function value: 0.95

Action path: NORTH

Statement: Given that in state 222 the agent chose to travel WEST on row 2 in what state would it have travelled WEST on row 1 instead?  
 In state [1, 1, 0, 2]

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|R: | : :G|

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|Y| : |B: |

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Factual explanation:

Passenger location: 0

Passenger destination: 2

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|R: | : :G|

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|Y| : |B: |

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Counterfactual explanation:

Passenger location: 0

Passenger destination: 2

State Path: 222, 222, 122

Loss function value: 0.95

Action path: NORTH

Statement: Given that in state 222 the agent chose to travel WEST on row 2 in what state would it have travelled WEST on row 1 instead?  
 In state [1, 1, 0, 2]

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|R: | : :G|

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|Y| : |B: |

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Factual explanation:

Passenger location: 3

Passenger destination: 0

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|R: | : :G|

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|Y| : |B: |

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Counterfactual explanation:

Passenger location: 3

Passenger destination: 0

State Path: 132, 132, 112, 12

Loss function value: 0.9

Action path: WEST, NORTH

Statement: Given that in state 132 the agent chose to travel SOUTH on column 1 in what state would it have travelled SOUTH on column 0 instead?  
 In state [0, 0, 3, 0]

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|R: | : :G|

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|Y| : |B: |

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Factual explanation:

Passenger location: 3

Passenger destination: 0

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|R: | : :G|

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| : : : : |

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|Y| : |B: |

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Counterfactual explanation:

Passenger location: 3

Passenger destination: 0

State Path: 132, 132, 112, 12

Loss function value: 0.9

Action path: WEST, NORTH

Statement: Given that in state 132 the agent chose to travel SOUTH on column 1 in what state would it have travelled SOUTH on column 0 instead?  
 In state [0, 0, 3, 0]

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|R: | : :G|

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|Y| : |B: |

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Factual explanation:

Passenger location: 3

Passenger destination: 2

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|R: | : :G|

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|Y| : |B: |

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Counterfactual explanation:

Passenger location: 3

Passenger destination: 2

State Path: 114, 114, 214

Loss function value: 0.95

Action path: SOUTH

Statement: Given that in state 114 the agent chose to travel EAST on row 1 in what state would it have travelled EAST on row 2 instead?  
 In state [2, 0, 3, 2]

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|R: | : :G|

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|Y| : |B: |

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Factual explanation:

Passenger location: 3

Passenger destination: 2

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|R: | : :G|

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|Y| : |B: |

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Counterfactual explanation:

Passenger location: 3

Passenger destination: 2

State Path: 114, 114, 214

Loss function value: 0.95

Action path: SOUTH

Statement: Given that in state 114 the agent chose to travel EAST on row 1 in what state would it have travelled EAST on row 2 instead?  
 In state [2, 0, 3, 2]

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|R: | : :G|

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|Y| : |B: |

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Factual explanation:

Passenger location: 3

Passenger destination: 2

+---------+

|R: | : :G|

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| | : | : |

|Y| : |B: |

+---------+

No counterfactual found for target NORTH

Factual explanation:

Passenger location: 3

Passenger destination: 2

+---------+

|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

+---------+

No counterfactual found for target NORTH

Factual explanation:

Passenger location: 3

Passenger destination: 2

+---------+

|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

+---------+

No counterfactual found for target EAST

Factual explanation:

Passenger location: 3

Passenger destination: 2

+---------+

|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

+---------+

No counterfactual found for target EAST

Factual explanation:

Passenger location: 3

Passenger destination: 0

+---------+

|R: | : :G|

| : | : : |

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|Y| : |B: |

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Counterfactual explanation:

Passenger location: 3

Passenger destination: 0

State Path: 352, 352, 332

Loss function value: 0.95

Action path: WEST

Statement: Given that in state 352 the agent chose to travel NORTH on column 2 in what state would it have travelled NORTH on column 1 instead?  
 In state [3, 1, 3, 0]

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|R: | : :G|

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|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 3

Passenger destination: 0

+---------+

|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

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Counterfactual explanation:

Passenger location: 3

Passenger destination: 0

State Path: 352, 352, 332

Loss function value: 0.95

Action path: WEST

Statement: Given that in state 352 the agent chose to travel NORTH on column 2 in what state would it have travelled NORTH on column 1 instead?  
 In state [3, 1, 3, 0]

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|R: | : :G|

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|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 4

Passenger destination: 1

+---------+

|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

+---------+

Counterfactual explanation:

Passenger location: 4

Passenger destination: 1

State Path: 217, 217, 117, 17

Loss function value: 0.9

Action path: NORTH, NORTH

Statement: Given that in state 217 the agent chose to travel EAST on row 2 in what state would it have travelled EAST on row 0 instead?  
 In state [0, 0, 4, 1]

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|R: | : :G|

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|Y| : |B: |

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Factual explanation:

Passenger location: 4

Passenger destination: 1

+---------+

|R: | : :G|

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|Y| : |B: |

+---------+

Counterfactual explanation:

Passenger location: 4

Passenger destination: 1

State Path: 217, 217, 117, 17

Loss function value: 0.9

Action path: NORTH, NORTH

Statement: Given that in state 217 the agent chose to travel EAST on row 2 in what state would it have travelled EAST on row 0 instead?  
 In state [0, 0, 4, 1]

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|R: | : :G|

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|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 3

Passenger destination: 1

+---------+

|R: | : :G|

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| | : | : |

|Y| : |B: |

+---------+

Counterfactual explanation:

Passenger location: 3

Passenger destination: 1

State Path: 113, 113, 133

Loss function value: 0.95

Action path: EAST

Statement: Given that in state 113 the agent chose to travel SOUTH on column 0 in what state would it have travelled SOUTH on column 1 instead?  
 In state [1, 1, 3, 1]

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|R: | : :G|

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|Y| : |B: |

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Factual explanation:

Passenger location: 3

Passenger destination: 1

+---------+

|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

+---------+

Counterfactual explanation:

Passenger location: 3

Passenger destination: 1

State Path: 113, 113, 133

Loss function value: 0.95

Action path: EAST

Statement: Given that in state 113 the agent chose to travel SOUTH on column 0 in what state would it have travelled SOUTH on column 1 instead?  
 In state [1, 1, 3, 1]

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|R: | : :G|

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| | : | : |

|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 0

Passenger destination: 2

+---------+

|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

+---------+

Counterfactual explanation:

Passenger location: 0

Passenger destination: 2

State Path: 282, 282, 182

Loss function value: 0.95

Action path: NORTH

Statement: Given that in state 282 the agent chose to travel WEST on row 2 in what state would it have travelled WEST on row 1 instead?  
 In state [1, 4, 0, 2]

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|R: | : :G|

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|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 0

Passenger destination: 2

+---------+

|R: | : :G|

| : | : : |

| : : : : |

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|Y| : |B: |

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Counterfactual explanation:

Passenger location: 0

Passenger destination: 2

State Path: 282, 282, 182

Loss function value: 0.95

Action path: NORTH

Statement: Given that in state 282 the agent chose to travel WEST on row 2 in what state would it have travelled WEST on row 1 instead?  
 In state [1, 4, 0, 2]

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|R: | : :G|

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|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 4

Passenger destination: 0

+---------+

|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

+---------+

Counterfactual explanation:

Passenger location: 4

Passenger destination: 0

State Path: 216, 216, 236, 336

Loss function value: 0.9

Action path: EAST, SOUTH

Statement: Given that in state 216 the agent chose to travel NORTH on column 0 in what state would it have travelled NORTH on column 1 instead?  
 In state [3, 1, 4, 0]

+---------+

|R: | : :G|

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| | : | : |

|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 4

Passenger destination: 0

+---------+

|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

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Counterfactual explanation:

Passenger location: 4

Passenger destination: 0

State Path: 216, 216, 236, 336

Loss function value: 0.9

Action path: EAST, SOUTH

Statement: Given that in state 216 the agent chose to travel NORTH on column 0 in what state would it have travelled NORTH on column 1 instead?  
 In state [3, 1, 4, 0]

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|R: | : :G|

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|Y| : |B: |

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Factual explanation:

Passenger location: 4

Passenger destination: 1

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|R: | : :G|

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|Y| : |B: |

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Counterfactual explanation:

Passenger location: 4

Passenger destination: 1

State Path: 477, 477, 377

Loss function value: 0.95

Action path: NORTH

Statement: Given that in state 477 the agent chose to travel EAST on row 4 in what state would it have travelled EAST on row 3 instead?  
 In state [3, 3, 4, 1]

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|R: | : :G|

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|Y| : |B: |

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Factual explanation:

Passenger location: 2

Passenger destination: 3

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|R: | : :G|

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|Y| : |B: |

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Counterfactual explanation:

Passenger location: 2

Passenger destination: 3

State Path: 311, 311, 211, 231, 251, 151

Loss function value: 0.8

Action path: NORTH, EAST, EAST, NORTH

Statement: Given that in state 311 the agent chose to travel SOUTH on column 0 in what state would it have travelled SOUTH on column 2 instead?  
 In state [1, 2, 2, 3]

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|R: | : :G|

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|Y| : |B: |

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Factual explanation:

Passenger location: 0

Passenger destination: 2

+---------+

|R: | : :G|

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|Y| : |B: |

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Counterfactual explanation:

Passenger location: 0

Passenger destination: 2

State Path: 122, 122, 22

Loss function value: 0.95

Action path: NORTH

Statement: Given that in state 122 the agent chose to travel WEST on row 1 in what state would it have travelled WEST on row 0 instead?  
 In state [0, 1, 0, 2]

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|R: | : :G|

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|Y| : |B: |

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Factual explanation:

Passenger location: 0

Passenger destination: 2

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|R: | : :G|

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|Y| : |B: |

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Counterfactual explanation:

Passenger location: 0

Passenger destination: 2

State Path: 122, 122, 222

Loss function value: 0.95

Action path: SOUTH

Statement: Given that in state 122 the agent chose to travel WEST on row 1 in what state would it have travelled WEST on row 2 instead?  
 In state [2, 1, 0, 2]

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|R: | : :G|

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|Y| : |B: |

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Factual explanation:

Passenger location: 0

Passenger destination: 2

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|R: | : :G|

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|Y| : |B: |

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Counterfactual explanation:

Passenger location: 0

Passenger destination: 2

State Path: 142, 142, 42, 62

Loss function value: 0.9

Action path: NORTH, EAST

Statement: Given that in state 142 the agent chose to travel SOUTH on column 2 in what state would it have travelled SOUTH on column 3 instead?  
 In state [0, 3, 0, 2]

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|R: | : :G|

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|Y| : |B: |

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Factual explanation:

Passenger location: 0

Passenger destination: 2

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|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

+---------+

Counterfactual explanation:

Passenger location: 0

Passenger destination: 2

State Path: 142, 142, 42, 62

Loss function value: 0.9

Action path: NORTH, EAST

Statement: Given that in state 142 the agent chose to travel SOUTH on column 2 in what state would it have travelled SOUTH on column 3 instead?  
 In state [0, 3, 0, 2]

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|R: | : :G|

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|Y| : |B: |

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Factual explanation:

Passenger location: 2

Passenger destination: 1

+---------+

|R: | : :G|

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|Y| : |B: |

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Counterfactual explanation:

Passenger location: 2

Passenger destination: 1

State Path: 269, 269, 169

Loss function value: 0.95

Action path: NORTH

Statement: Given that in state 269 the agent chose to travel WEST on row 2 in what state would it have travelled WEST on row 1 instead?  
 In state [1, 3, 2, 1]

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|R: | : :G|

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|Y| : |B: |

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Factual explanation:

Passenger location: 2

Passenger destination: 1

+---------+

|R: | : :G|

| : | : : |

| : : : : |

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|Y| : |B: |

+---------+

Counterfactual explanation:

Passenger location: 2

Passenger destination: 1

State Path: 269, 269, 169

Loss function value: 0.95

Action path: NORTH

Statement: Given that in state 269 the agent chose to travel WEST on row 2 in what state would it have travelled WEST on row 1 instead?  
 In state [1, 3, 2, 1]

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|R: | : :G|

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|Y| : |B: |

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Factual explanation:

Passenger location: 2

Passenger destination: 1

+---------+

|R: | : :G|

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| : : : : |

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|Y| : |B: |

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Counterfactual explanation:

Passenger location: 2

Passenger destination: 1

State Path: 269, 269, 169

Loss function value: 0.95

Action path: NORTH

Statement: Given that in state 269 the agent chose to travel WEST on row 2 in what state would it have travelled WEST on row 1 instead?  
 In state [1, 3, 2, 1]

+---------+

|R: | : :G|

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|Y| : |B: |

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Factual explanation:

Passenger location: 4

Passenger destination: 2

+---------+

|R: | : :G|

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|Y| : |B: |

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Counterfactual explanation:

Passenger location: 4

Passenger destination: 2

State Path: 138, 138, 238

Loss function value: 0.95

Action path: SOUTH

Statement: Given that in state 138 the agent chose to travel WEST on row 1 in what state would it have travelled WEST on row 2 instead?  
 In state [2, 1, 4, 2]

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|R: | : :G|

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|Y| : |B: |

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Factual explanation:

Passenger location: 4

Passenger destination: 2

+---------+

|R: | : :G|

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|Y| : |B: |

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Counterfactual explanation:

Passenger location: 4

Passenger destination: 2

State Path: 138, 138, 38

Loss function value: 0.95

Action path: NORTH

Statement: Given that in state 138 the agent chose to travel WEST on row 1 in what state would it have travelled WEST on row 0 instead?  
 In state [0, 1, 4, 2]

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|R: | : :G|

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|Y| : |B: |

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Factual explanation:

Passenger location: 2

Passenger destination: 3

+---------+

|R: | : :G|

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| : : : : |

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|Y| : |B: |

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Counterfactual explanation:

Passenger location: 2

Passenger destination: 3

State Path: 291, 291, 191

Loss function value: 0.95

Action path: NORTH

Statement: Given that in state 291 the agent chose to travel WEST on row 2 in what state would it have travelled WEST on row 1 instead?  
 In state [1, 4, 2, 3]

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|R: | : :G|

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|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 2

Passenger destination: 3

+---------+

|R: | : :G|

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| : : : : |

| | : | : |

|Y| : |B: |

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Counterfactual explanation:

Passenger location: 2

Passenger destination: 3

State Path: 291, 291, 191

Loss function value: 0.95

Action path: NORTH

Statement: Given that in state 291 the agent chose to travel WEST on row 2 in what state would it have travelled WEST on row 1 instead?  
 In state [1, 4, 2, 3]

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|R: | : :G|

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|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 4

Passenger destination: 2

+---------+

|R: | : :G|

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|Y| : |B: |

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Counterfactual explanation:

Passenger location: 4

Passenger destination: 2

State Path: 498, 498, 398, 298

Loss function value: 0.9

Action path: NORTH, NORTH

Statement: Given that in state 498 the agent chose to travel WEST on row 4 in what state would it have travelled WEST on row 2 instead?  
 In state [2, 4, 4, 2]

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|R: | : :G|

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|Y| : |B: |

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Factual explanation:

Passenger location: 4

Passenger destination: 2

+---------+

|R: | : :G|

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|Y| : |B: |

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Counterfactual explanation:

Passenger location: 4

Passenger destination: 2

State Path: 478, 478, 378, 398

Loss function value: 0.9

Action path: NORTH, EAST

Statement: Given that in state 478 the agent chose to travel NORTH on column 3 in what state would it have travelled NORTH on column 4 instead?  
 In state [3, 4, 4, 2]

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|R: | : :G|

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|Y| : |B: |

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Factual explanation:

Passenger location: 1

Passenger destination: 2

+---------+

|R: | : :G|

| : | : : |

| : : : : |

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|Y| : |B: |

+---------+

No counterfactual found for target SOUTH

Factual explanation:

Passenger location: 1

Passenger destination: 2

+---------+

|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

+---------+

No counterfactual found for target SOUTH

Factual explanation:

Passenger location: 1

Passenger destination: 2

+---------+

|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

+---------+

No counterfactual found for target WEST

Factual explanation:

Passenger location: 1

Passenger destination: 2

+---------+

|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

+---------+

No counterfactual found for target WEST

Factual explanation:

Passenger location: 4

Passenger destination: 3

+---------+

|R: | : :G|

| : | : : |

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|Y| : |B: |

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Counterfactual explanation:

Passenger location: 4

Passenger destination: 3

State Path: 199, 199, 99

Loss function value: 0.95

Action path: NORTH

Statement: Given that in state 199 the agent chose to travel WEST on row 1 in what state would it have travelled WEST on row 0 instead?  
 In state [0, 4, 4, 3]

+---------+

|R: | : :G|

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|Y| : |B: |

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Factual explanation:

Passenger location: 4

Passenger destination: 3

+---------+

|R: | : :G|

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|Y| : |B: |

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Counterfactual explanation:

Passenger location: 4

Passenger destination: 3

State Path: 199, 199, 99

Loss function value: 0.95

Action path: NORTH

Statement: Given that in state 199 the agent chose to travel WEST on row 1 in what state would it have travelled WEST on row 0 instead?  
 In state [0, 4, 4, 3]

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|R: | : :G|

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|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 1

Passenger destination: 0

+---------+

|R: | : :G|

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|Y| : |B: |

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Counterfactual explanation:

Passenger location: 1

Passenger destination: 0

State Path: 424, 424, 324

Loss function value: 0.95

Action path: NORTH

Statement: Given that in state 424 the agent chose to travel EAST on row 4 in what state would it have travelled EAST on row 3 instead?  
 In state [3, 1, 1, 0]

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|R: | : :G|

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|Y| : |B: |

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Factual explanation:

Passenger location: 4

Passenger destination: 2

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|R: | : :G|

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|Y| : |B: |

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Counterfactual explanation:

Passenger location: 4

Passenger destination: 2

State Path: 458, 458, 438

Loss function value: 0.95

Action path: WEST

Statement: Given that in state 458 the agent chose to travel NORTH on column 2 in what state would it have travelled NORTH on column 1 instead?  
 In state [4, 1, 4, 2]

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|R: | : :G|

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|Y| : |B: |

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Factual explanation:

Passenger location: 4

Passenger destination: 3

+---------+

|R: | : :G|

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|Y| : |B: |

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Counterfactual explanation:

Passenger location: 4

Passenger destination: 3

State Path: 459, 459, 359, 339

Loss function value: 0.9

Action path: NORTH, WEST

Statement: Given that in state 459 the agent chose to travel NORTH on column 2 in what state would it have travelled NORTH on column 1 instead?  
 In state [3, 1, 4, 3]

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|R: | : :G|

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|Y| : |B: |

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Factual explanation:

Passenger location: 2

Passenger destination: 3

+---------+

|R: | : :G|

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|Y| : |B: |

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Counterfactual explanation:

Passenger location: 2

Passenger destination: 3

State Path: 191, 191, 291

Loss function value: 0.95

Action path: SOUTH

Statement: Given that in state 191 the agent chose to travel WEST on row 1 in what state would it have travelled WEST on row 2 instead?  
 In state [2, 4, 2, 3]

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|R: | : :G|

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|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 2

Passenger destination: 3

+---------+

|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

+---------+

Counterfactual explanation:

Passenger location: 2

Passenger destination: 3

State Path: 191, 191, 291

Loss function value: 0.95

Action path: SOUTH

Statement: Given that in state 191 the agent chose to travel WEST on row 1 in what state would it have travelled WEST on row 2 instead?  
 In state [2, 4, 2, 3]

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|R: | : :G|

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|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 0

Passenger destination: 1

+---------+

|R: | : :G|

| : | : : |

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| | : | : |

|Y| : |B: |

+---------+

Counterfactual explanation:

Passenger location: 0

Passenger destination: 1

State Path: 441, 441, 341, 241

Loss function value: 0.9

Action path: NORTH, NORTH

Statement: Given that in state 441 the agent chose to travel WEST on row 4 in what state would it have travelled WEST on row 2 instead?  
 In state [2, 2, 0, 1]

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|R: | : :G|

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|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 0

Passenger destination: 1

+---------+

|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

+---------+

Counterfactual explanation:

Passenger location: 0

Passenger destination: 1

State Path: 421, 421, 321, 341

Loss function value: 0.9

Action path: NORTH, EAST

Statement: Given that in state 421 the agent chose to travel NORTH on column 1 in what state would it have travelled NORTH on column 2 instead?  
 In state [3, 2, 0, 1]

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|R: | : :G|

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|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 1

Passenger destination: 2

+---------+

|R: | : :G|

| : | : : |

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|Y| : |B: |

+---------+

Counterfactual explanation:

Passenger location: 1

Passenger destination: 2

State Path: 206, 206, 226, 326

Loss function value: 0.9

Action path: EAST, SOUTH

Statement: Given that in state 206 the agent chose to travel EAST on row 2 in what state would it have travelled EAST on row 3 instead?  
 In state [3, 1, 1, 2]

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|R: | : :G|

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|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 1

Passenger destination: 2

+---------+

|R: | : :G|

| : | : : |

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|Y| : |B: |

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Counterfactual explanation:

Passenger location: 1

Passenger destination: 2

State Path: 206, 206, 226, 326

Loss function value: 0.9

Action path: EAST, SOUTH

Statement: Given that in state 206 the agent chose to travel EAST on row 2 in what state would it have travelled EAST on row 3 instead?  
 In state [3, 1, 1, 2]

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|R: | : :G|

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|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 0

Passenger destination: 1

+---------+

|R: | : :G|

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|Y| : |B: |

+---------+

Counterfactual explanation:

Passenger location: 0

Passenger destination: 1

State Path: 481, 481, 461

Loss function value: 0.95

Action path: WEST

Statement: Given that in state 481 the agent chose to travel NORTH on column 4 in what state would it have travelled NORTH on column 3 instead?  
 In state [4, 3, 0, 1]

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|R: | : :G|

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|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 1

Passenger destination: 2

+---------+

|R: | : :G|

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|Y| : |B: |

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Counterfactual explanation:

Passenger location: 1

Passenger destination: 2

State Path: 266, 266, 166

Loss function value: 0.95

Action path: NORTH

Statement: Given that in state 266 the agent chose to travel EAST on row 2 in what state would it have travelled EAST on row 1 instead?  
 In state [1, 3, 1, 2]

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|R: | : :G|

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|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 1

Passenger destination: 2

+---------+

|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

+---------+

Counterfactual explanation:

Passenger location: 1

Passenger destination: 2

State Path: 266, 266, 166

Loss function value: 0.95

Action path: NORTH

Statement: Given that in state 266 the agent chose to travel EAST on row 2 in what state would it have travelled EAST on row 1 instead?  
 In state [1, 3, 1, 2]

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|R: | : :G|

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|Y| : |B: |

+---------+

Factual explanation:

Passenger location: 1

Passenger destination: 2

+---------+

|R: | : :G|

| : | : : |

| : : : : |

| | : | : |

|Y| : |B: |

+---------+

Counterfactual explanation:

Passenger location: 1

Passenger destination: 2

State Path: 266, 266, 166

Loss function value: 0.95

Action path: NORTH

Statement: Given that in state 266 the agent chose to travel EAST on row 2 in what state would it have travelled EAST on row 1 instead?  
 In state [1, 3, 1, 2]

+---------+

|R: | : :G|

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|Y| : |B: |

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CF Accuracy: 0.9497206703910615in mode NETACTION