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erts@erts: ~/Modis/Rapid Rescuer (RR)/2. Practice/Task 1C/codes
(RR-9999-stage1) erts@erts:~/Modis/Rapid Rescuer (RR)/2. Practice/Task 1C/codes$
python test_task_1c.py

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For maze00.jpg

Shortest Path = [(0, 0), (0, 1), (0, 2), (1, 2), (2, 2), (2, 3), (2, 4), (2, 5)
, (2, 6), (2, 7), (2, 8), (3, 8), (4, 8), (4, 7), (5, 7), (6, 7), (7, 7), (8, 7)
, (8, 8), (8, 9), (9, 9)]

Length of Path = 21

Digits in the image = [4, 0, 6, 7, 7, 2]

Digits on shortest path in the image = [4, 6, 7]

Sum of digits on shortest path in the image = 17

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Want to run the test script on all maze images ? ==> "y" or "n": y

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For maze00.jpg

Shortest Path = [(0, 0), (0, 1), (0, 2), (1, 2), (2, 2), (2, 3), (2, 4), (2, 5)
, (2, 6), (2, 7), (2, 8), (3, 8), (4, 8), (4, 7), (5, 7), (6, 7), (7, 7), (8, 7)
, (8, 8), (8, 9), (9, 9)]

Length of Path = 21

Digits in the image = [4, 0, 6, 7, 7, 2]

Digits on shortest path in the image = [4, 6, 7]

Sum of digits on shortest path in the image = 17

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For maze01.jpg

Shortest Path = [(0, 0), (0, 1), (1, 1), (2, 1), (3, 1), (3, 2), (3, 3), (4, 3)
, (4, 2), (5, 2), (5, 3), (6, 3), (6, 4), (5, 4), (5, 5), (5, 6), (5, 7), (6, 7)
, (6, 8), (7, 8), (7, 9), (8, 9), (9, 9)]

Length of Path = 23

Digits in the image = [2, 6, 4]

Digits on shortest path in the image = [2, 6, 4]

Sum of digits on shortest path in the image = 12

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For maze02.jpg

Shortest Path = [(0, 0), (0, 1), (0, 2), (1, 2), (2, 2), (2, 3), (3, 3), (3, 4),
, (2, 4), (2, 5), (1, 5), (1, 6), (1, 7), (2, 7), (3, 7), (4, 7), (5, 7), (6, 7)
, (6, 8), (7, 8), (8, 8), (9, 8), (9, 9)]

Length of Path = 23

Digits in the image = [9, 1, 3, 7, 0]

Digits on shortest path in the image = [1, 3, 0]

Sum of digits on shortest path in the image = 4

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For maze03.jpg

Shortest Path = [(0, 0), (0, 1), (0, 2), (1, 2), (2, 2), (2, 3), (2, 4), (2, 5)
, (2, 6), (2, 7), (2, 8), (3, 8), (4, 8), (4, 7), (5, 7), (6, 7), (7, 7), (8, 7)
, (8, 8), (8, 9), (9, 9)]

Length of Path = 21

Digits in the image = [4, 6, 7, 0, 8]

Digits on shortest path in the image = [4, 6, 7]

Sum of digits on shortest path in the image = 17

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For maze04.jpg

Shortest Path = [(0, 0), (1, 0), (2, 0), (2, 1), (3, 1), (3, 2), (3, 3), (4, 3)
, (4, 4), (4, 5), (5, 5), (5, 6), (5, 7), (6, 7), (7, 7), (8, 7), (9, 7), (9, 8)
, (9, 9)]

Length of Path = 19

Digits in the image = [6, 0, 9, 6, 1, 1, 3, 2]

Digits on shortest path in the image = [9, 6, 1]

Sum of digits on shortest path in the image = 16

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