Pseudocode

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1.- First you have to analyze the labyrinth

2.- Then find E and S

3.- Once you find it start the tour

4.- Always try left, up, right and down, in that order.

5.- If there is space to the right move forward

6.- If we cant move to the right, lets try going up

7.- If you can go up, move to the next chart

8.- If you cant go up try going to the right

9.- If you can go to the right go to the next chart and in that one going left, up, right and down

10.- If you cant go to the right the only option is going down to the chart you were before and keep trying left, up, right or going down again until you find a different chart.

11.- With this steps you may have reached the exit but that's not the end

12.- Analize if there is any other way you could get to the exit

13.- if there is any other try and repeat the steps.

14.- If you again reach the end of the labyrinth count the steps and the one that has less is the one you are using.