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## VARIABLES

E= Beginning space of the character

S= Ending Space of the character

stp= Number of steps

C= Coordinate of the checkpoint

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## PSEUDOCODE

Start

Read E,S

When making a step, stp+1

If only one possible way{

If can move forward, move forward, if not, turn left.

If can move to left, move left, if not, turn right.

If can move to right, move right and repeat.

Else, if 2 possible ways{

Mark actual spot as C/Make C

Move to left and then, if can move forward, move forward, if not, turn left.

If can move to left, move left, if not, turn right.

If can move to right, move right.

If no possible ways, return to C and move to right})

When arrive to S, print "Steps by best route="stp"

End

## FLOW CHART

