

Turtle Geometry

We're pretty sure there were no pizza-obsessed turtles in the Cloaca Maxima, the early Roman sewers (which are still in use today!), but this turtle is stuck above ground. If you can find a thematically appropriate (and similarly ancient) entrance, you might be able to figure out how close the turtle's home is.



This is a location puzzle. You may not be able to solve this without finding the appropriate location. You can find what you need near Dig Site BETA.

```

1 ; Rules of turtle geometry:
2 ; - Turtle can not fly and must remain on solid ground
3 ; - Turtle always stays on the grid; no stopping where there is no intersection
4 ; - Turtle counts distances based on what it sees on its left
5 ; - Turtle's HOME is immediately next to the water, pointing towards a road or path
6
7 HOME
8 CLEAN
9
10 PENUP
11 FORWARD 2
12 LEFT 90
13 PENDOWN
14 FORWARD 2
15 LEFT 90
16 FORWARD 2
17 PENUP
18 FORWARD 2
19 RIGHT 90
20 PENDOWN
21 FORWARD 1
22 LEFT 90
23 FORWARD 1
24 LEFT 90
25 FORWARD 2
26 PENUP
27 ; Turtle finds itself one
28 ; space away from trash.
29 ; Oh no! It already
30 ; cleaned up once!
31 RIGHT 90
32 FORWARD 3
33 PENDOWN
34 FORWARD 3
35 PENUP
36 FORWARD 1
37 PENDOWN
38 FORWARD 2
39 PENUP
40 RIGHT 90
41 FORWARD 1
42 RIGHT 90
43 FORWARD 1
44 PENDOWN
45 FORWARD 1
46 PENUP
47 LEFT 90
48 FORWARD 1
49 LEFT 90
50 PENDOWN
51 FORWARD 1
52 LEFT 90
53 FORWARD 2
54 PENUP
55 RIGHT 90
56 FORWARD 4.5
57 PENDOWN
58 FORWARD 1.5
59 RIGHT 90
60 FORWARD 1
61 RIGHT 90
62 FORWARD 0.5
63 BACK 0.5
64 RIGHT 90
65 FORWARD 2
66 ; Turtle finds itself on
67 ; a sandy beach. No wait,
68 ; that's not a beach, but
69 ; it's one letter off
70 ; from something made
71 ; from sand
72 LEFT 90
73 FORWARD 2
74 PENUP
75 FORWARD 2
76 LEFT 90
77 PENDOWN
78 FORWARD 1
79 PENUP
80 RIGHT 90
81 FORWARD (6 + (1 / 3))
82 LEFT 90
83 PENDOWN
84 FORWARD 1
85 RIGHT 90
86 FORWARD 0.5
87 BACK 1
88 PENUP
89 FORWARD 2
90 RIGHT 90
91 PENDOWN
92 FORWARD 2
93 BACK 1
94 PENUP
95 LEFT 90
96 FORWARD 1
97 LEFT 90
98 PENDOWN
99 FORWARD 1

```