

運算思維與程式設計- Hour of code ~ The Maze

Computational Thinking & Programming

Your Name:

Finished Date:

No.	Puzzle	Solution Code
1.		<code>moveForward(); moveForward();</code>
2.		<code>moveForward(); moveForward(); moveForward();</code>
3.		<code>moveForward(); moveForward(); turnRight(); moveForward();</code>
4.		<code>moveForward(); turnLeft(); moveForward(); turnRight(); moveForward();</code>

5.		<pre>turnRight(); moveForward(); turnLeft(); moveForward(); moveForward(); moveForward(); turnLeft(); moveForward();</pre>
6.		<pre>for (var count = 0; count < 5; count++) { moveForward(); }</pre>
7.		<pre>turnRight(); for (var count = 0; count < 5; count++) { moveForward(); }</pre>
8.		<pre>for (var count = 0; count < 4; count++) { moveForward(); } turnLeft(); for (var count2 = 0; count2 < 5; count2++) { moveForward(); }</pre>

9.		<pre>for (var count = 0; count < 3; count++) { moveForward(); moveForward(); turnRight(); }</pre>
10.		<pre>while (notFinished()) { moveForward(); }</pre>
11.		<pre>while (notFinished()) { moveForward(); moveForward(); turnLeft(); }</pre>
12.		<pre>while (notFinished()) { moveForward(); turnLeft(); moveForward(); turnRight(); }</pre>

13.	 <p>A 4x4 grid of green grass. The Sackboy is at the top-left corner. There are several obstacles: two green piranha plants at the top, two brown piranha plants at the bottom, and two purple piranha plants on the right side. A sunflower is located at the bottom-right corner.</p>	<pre>while (notFinished()) { turnRight(); moveForward(); turnLeft(); moveForward(); }</pre>
14.	 <p>A 4x4 grid of green grass. The Sackboy is at the bottom-left corner. There are several obstacles: two green piranha plants at the top, two brown piranha plants at the bottom, and two purple piranha plants on the left side. A sunflower is located at the top-right corner.</p>	<pre>while (notFinished()) { moveForward(); if (isPathLeft()) { turnLeft(); } }</pre>
15.	 <p>A 4x4 grid of green grass. The Sackboy is at the top-left corner. There are several obstacles: two green piranha plants at the top, two brown piranha plants at the bottom, and two purple piranha plants on the right side. A sunflower is located at the bottom-right corner.</p>	<pre>while (notFinished()) { moveForward(); if (isPathRight()) { turnRight(); } }</pre>
16.	 <p>A 4x4 grid of green grass. The Sackboy is at the bottom-left corner. There are several obstacles: two green piranha plants at the top, two brown piranha plants at the bottom, and two purple piranha plants on the left side. A sunflower is located at the top-right corner.</p>	<pre>while (notFinished()) { moveForward(); if (isPathLeft()) { turnLeft(); } }</pre>

17.



```
while (notFinished()) {
    moveForward();
    if (isPathRight()) {
        turnRight();
    }
}
```

18.



```
while (notFinished()) {
    if (isPathForward()) {
        moveForward();
    } else {
        turnLeft();
    }
}
```

19.



```
while (notFinished()) {
    if (isPathForward()) {
        moveForward();
    } else {
        turnRight();
    }
}
```

20.



```
while (notFinished()) {
    if (isPathForward()) {
        moveForward();
    } else {
        if (isPathRight()) {
            turnRight();
        } else {
            turnLeft();
        }
    }
}
```