

Find and Fix the Bugs

Read the algorithms below.

Can you find and fix the bugs so that the algorithms match the grids?

1.

Start →	→	↓	
		→	↓
			↓
		End	←



→	→	↓	↓	↓	↓	←
---	---	---	---	---	---	---

Rewrite the algorithm without the bug:

--	--	--	--	--	--	--

2.

↓	←	←	
End	→	↑	
	↑		Start ↓
	↑	←	←



↓	←	←	←	↑	→	↑	←	←	↓
---	---	---	---	---	---	---	---	---	---

Rewrite the algorithm without the bug:

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Find and Fix the Bugs — Answers

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		→	↓
			↓
		End	←

→	→	↓	↓	↓	↓	←
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Rewrite the algorithm without the bug:

→	→	↓	→	↓	↓	←
---	---	---	---	---	---	---

2.

↓	←	←	
End	→	↑	
	↑		Start ↓
	↑	←	←

↓	←	←	←	↑	→	↑	←	←	↓
---	---	---	---	---	---	---	---	---	---

Rewrite the algorithm without the bug:

↓	←	←	↑	↑	→	↑	←	←	↓
---	---	---	---	---	---	---	---	---	---

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1.

Start			
		End	

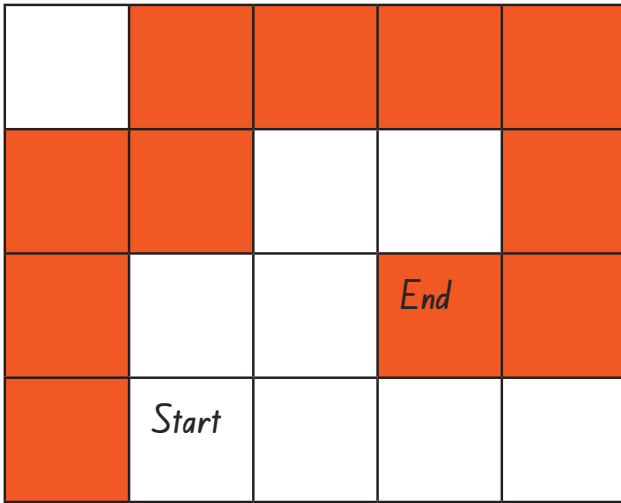


Begin at 'Start'
Move two square right
Move one squares down
Move two squares right
Move one square down
Move two squares left
You are at 'End'

Rewrite the algorithm without the bug:

Begin at 'Start'
You are at 'End'

2.



Begin at 'Start'
Move one square left
Move two squares up
Move one square right
Move two squares up
Move three squares right
Move three squares down
Move one square left
You are at 'End'

Rewrite the algorithm without the bug:

Begin at 'Start'
You are at 'End'

Find and Fix the Bugs — Answers

Read the algorithms below.

Can you find and fix the bugs so that the algorithms match the grids?

1.

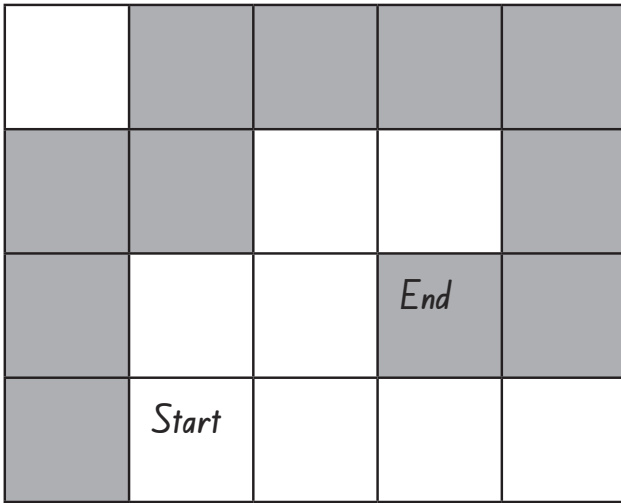
Start			
		End	

Begin at 'Start'
Move two square right
Move one squares down
Move one square right
Move one square down
Move two squares left
You are at 'End'

Rewrite the algorithm without the bug:

Begin at 'Start'
Move two squares right
Move one square down
Move one square right
Move two squares down
Move one square left
You are at 'End'

2.



Begin at 'Start'
Move one square left
Move two squares up
Move one square right
Move two squares up
Move three squares right
Move three squares down
Move one square left
You are at 'End'

Rewrite the algorithm without the bug:

Begin at 'Start'
Move one square left
Move two squares up
Move one square right
Move one square up
Move three squares right
Move two squares down
Move one square left
You are at 'End'

Find and Fix the Bugs

Read the algorithms below.

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1.

	End			
Start				



Begin at 'Start'
Proceed forward 2 spaces
Quarter turn clockwise
Proceed forward 2 spaces
Quarter turn clockwise
Proceed forward 3 spaces
Quarter turn anticlockwise
Proceed forward 2 spaces
Quarter turn clockwise
Proceed forward 4 spaces
Quarter turn anticlockwise
Proceed forward 3 spaces to 'End'

Rewrite the algorithm without the bug:

Find and Fix the Bugs — Answers

Read the algorithms below.

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1.

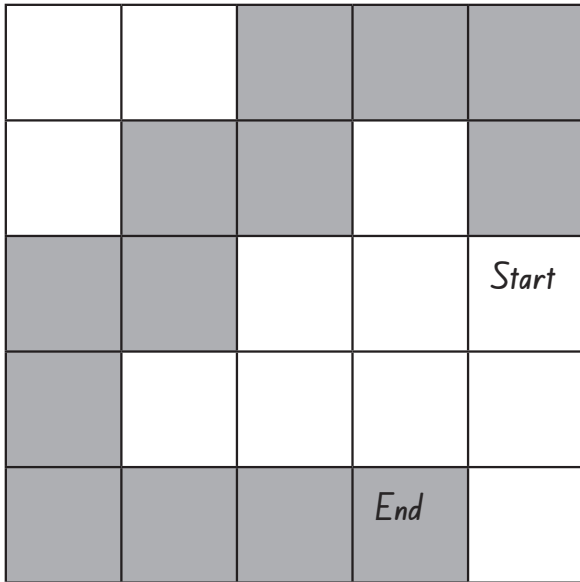
	End			
Start				

Begin at 'Start'
Proceed forward 2 spaces
Quarter turn clockwise
Proceed forward 2 spaces
Quarter turn clockwise
Proceed forward 3 spaces
Quarter turn anticlockwise
Proceed forward 2 spaces
Quarter turn clockwise
Proceed forward 4 spaces
Quarter turn anticlockwise
Proceed forward 3 spaces to 'End'

Rewrite the algorithm without the bug:

Begin at 'Start'
Proceed forward 2 spaces
Quarter turn clockwise
Proceed forward 2 spaces
Quarter turn clockwise
Proceed forward 2 spaces
Quarter turn anticlockwise
Proceed forward 2 spaces
Quarter turn anticlockwise
Proceed forward 4 spaces
Quarter turn anticlockwise
Proceed forward 3 spaces to 'End'

2.



Begin at 'Start'
Proceed forward 2 spaces
Quarter turn anticlockwise
Proceed forward 2 spaces
Quarter turn anticlockwise
Proceed forward 1 space
Quarter turn anticlockwise
Proceed forward 1 space
Quarter turn anticlockwise
Proceed forward 2 spaces
Quarter turn clockwise
Proceed forward 1 space
Quarter turn anticlockwise
Proceed forward 2 spaces
Quarter turn anticlockwise
Proceed forward 4 spaces to 'End'

Rewrite the algorithm without the bug:

Begin at 'Start'
Proceed forward 2 spaces
Quarter turn anticlockwise
Proceed forward 2 spaces
Quarter turn anticlockwise
Proceed forward 1 space
Quarter turn clockwise
Proceed forward 1 space
Quarter turn anticlockwise
Proceed forward 1 space
Quarter turn clockwise
Proceed forward 1 space
Quarter turn anticlockwise
Proceed forward 2 spaces
Quarter turn anticlockwise
Proceed forward 3 spaces to 'End'