ZERO OVERRIDE

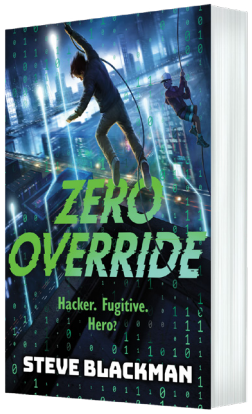
SUMMER CODEBREAKING CHALLENGE

THE MISSION:
The robot carrying the override code has been damaged. Recover its memories to discover the code before the virus spreads.

Each challenge recovers one memory:

[1] **COMMUNICATION LOG** (PAGE 2)
[2] **NAVIGATION RECORD** (PAGE 3)
[3] **SECURITY FOOTAGE** (PAGE 4)
[4] **DIAGNOSTIC REPORT** (PAGE 5)
[5] **LOGIC CHECK** (PAGE 6)
[6] **OVERRIDE CODE** (PAGE 7)

Answers on PAGE 8



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[CHALLENGE 1]
COMMUNICATION LOG

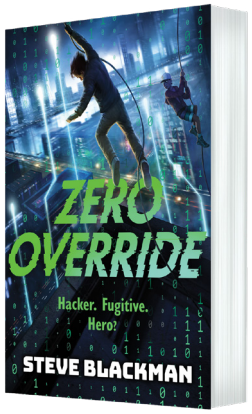
The virus has scrambled our alphabet and replaced it with symbols.
Work out the question below and then answer it.

A: ▲	**J:** ⌊	**S:** ~
B: ■	**K:** ×	**T:** +
C: ●	**L:** ⇒	**U:** Ц
D: θ	**M:** ∫	**V:** Δ
E: ⊥	**N:** Λ	**W:** ₩
F: ├	**O:** ◆	**X:** ⋆
G: ⊤	**P:** ρ	**Y:** λ
H: ‖	**Q:** ϕ	**Z:** ≈
I: |	**R:** ∩	**?:** ?

SECURITY QUESTION:

₩ ‖ ▲ +
| ~
+ ‖ ⊥
● ◆ ∫ ρ Ц + ⊥ ∩
● ◆ θ ⊥
∫ ▲ θ ⊥
◆ ├
◆ Λ ⊥ ~
▲ Λ θ
≈ ⊥ ∩ ◆ ~
● ▲ ⇒ ⇒ ⊥ θ ?

SECURITY ANSWER:



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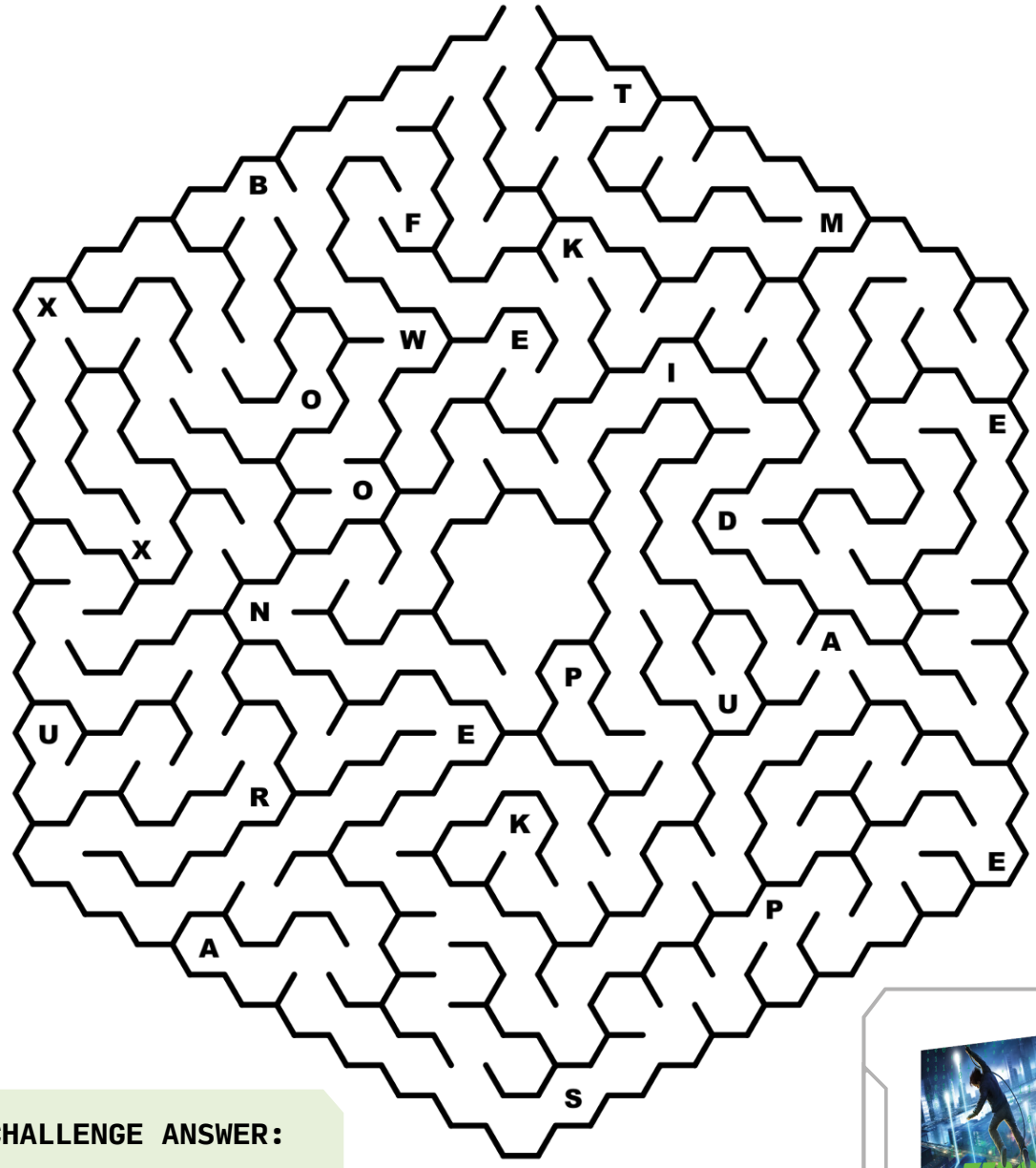
[CHALLENGE 2]

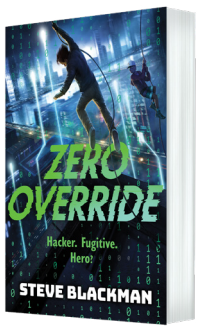
NAVIGATION RECORD

Use the maze to find the next five-letter code.
There's only one correct route to the centre, and it passes through five letters.
Write them down in order and it will create a word that solves this challenge.



CHALLENGE ANSWER:

__ __ __ __ __



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[CHALLENGE 3]
SECURITY FOOTAGE

One of the robots that works in the facility is infected with the virus.
They must be the cause of the spread, but which one?

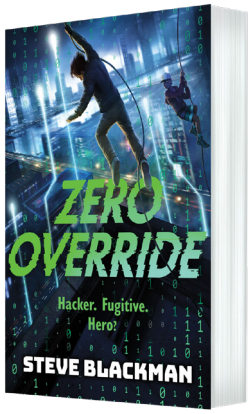
The robots are:

- **Alpha**
- **Theta**
- **Gamma**
- **Delta**
- **Omega**

Recovered data contains the following clues:

1. The infected robot worked after **Theta.**
2. **Alpha** worked after **Gamma.**
3. **Gamma** worked before **Delta.**
4. **Alpha** was not first or last.
5. The infected robot worked immediately after **Alpha.**
6. **Omega** worked last.
7. **Theta** worked before **Alpha.**
8. **Delta** worked immediately before **Omega.**

WHICH ROBOT IS INFECTED?



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[CHALLENGE 4]

DIAGNOSTIC REPORT

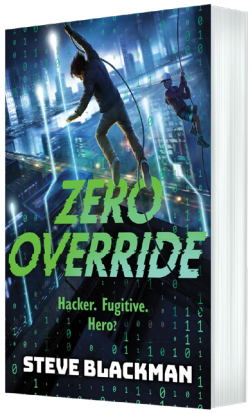
Find the highlighted numbers.

- Every column and every row must add up to 35.
- Each number represents a letter in the alphabet (A=1, B=2 etc.)
- Use the highlighted letters and make a word (only one word is possible with these letters)

	12	**4**	**9**	**8**	= 35
3	**5**	**13**	**2**		= 35
12	**5**		**6**	**9**	= 35
15	**4**	**1**		**2**	= 35
3		**14**	**5**	**4**	= 35
= 35	= 35	= 35	= 35	= 35	

WHAT IS THE WORD?

__ __ __ __ __



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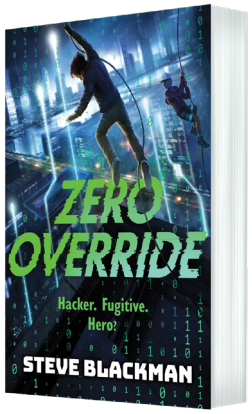
[CHALLENGE 5]
LOGIC CHECK

Sailors search for me and hikers trust me.
Many journeys begin by finding me, but I am not a country, city, object or landmark.
I am the only line that the compass needle loves to chase.
I have a pole but no flag, and a cap but no face.

WHAT AM I?



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[CHALLENGE 6]

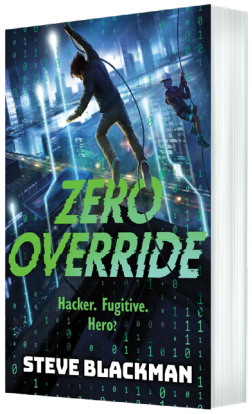
OVERRIDE CODE

When you have all five answers, please identify the following letters.
They spell a word that is the override code!

MEMORY 1 - letter **FIVE**
MEMORY 2 - letter **THREE**
MEMORY 3 - letter **ONE**
MEMORY 4 - letter **THREE**
MEMORY 5 - letter **TWO**

OVERRIDE CODE:

____ ____ ____ ____ ____



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CHALLENGE ANSWERS

[1] COMMUNICATION LOG (PAGE 2)

SECURITY QUESTION: **What is the computer code made of ones and zeros called?**

SECURITY ANSWER: **BINARY**

[2] NAVIGATION RECORD (PAGE 3)

CHALLENGE ANSWER: **BRAIN**

[3] SECURITY FOOTAGE (PAGE 4)

ORDER: **THETA, GAMMA, ALPHA, DELTA, OMEGA**

WHICH ROBOT IS INFECTED?: **DELTA**

[4] DIAGNOSTIC REPORT (PAGE 5)

2	12	4	9	8
3	5	13	2	**12**
12	5	**3**	6	9
15	4	1	**13**	2
3	**9**	14	5	4

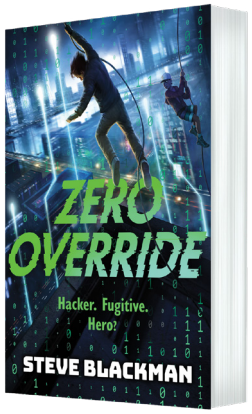
WHAT IS THE WORD?: **CLIMB**

[5] LOGIC CHECK (PAGE 6)

WHAT AM I?: **NORTH**

[6] OVERRIDE CODE (PAGE 7)

OVERRIDE CODE: **RADIO**



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