

 [Topics](#) [More](#) [CATEGORIES](#)[General](#)[Site Feedback](#) [All categories](#)

# 2025 USA-NA-AIO Round 1, Problem 1, Part 3

USAAIO 

Mar 2025

## Part 3 (10 points, non-coding task)

Explain why  $A$  is a symmetric matrix.

USAAIO 

Mar 2025

WRITE YOUR SOLUTION IN THIS TEXT CELL.

Because

$$A^T = A = \begin{bmatrix} 1 & 1 \\ 1 & 0 \end{bmatrix},$$

matrix  $A$  is symmetric.

"" END OF THIS PART ""

### Related topics

Topic

Replies

Activity

[2025 USA-NA-AIO Round 1, Problem 1, Part 6](#)

1

Mar 2025

[Skip to main content](#)

Topic	Replies	Activity
<a href="#">2025 USA-NA-AIO Round 1, Problem 1, Part 4</a>	<b>1</b>	<b>Mar 2025</b>
<a href="#">2025 USA-NA-AIO Round 1, Problem 1, Part 2</a>	<b>1</b>	<b>Mar 2025</b>
<a href="#">2026 USAAIO Round 1 Sample problems, Problem 2</a>	<b>2</b>	<b>24d</b>
<a href="#">2025 USA-NA-AIO Round 1, Problem 1, Part 5</a>	<b>1</b>	<b>Mar 2025</b>

 **Powered by Discourse**