

# MEMORANDUM

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**TO:** Strategic Research Division  
**FROM:** Lead Quantitative Analyst  
**DATE:** February 21, 2026  
**SUBJECT:** Summary of Global Trade Network Fragmentation (2010–2024)

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## 1. Purpose

The purpose of this memorandum is to synthesize the findings of the article regarding the shifting dynamics between G7 and BRICS+ trade blocs. This research utilizes the structural analysis techniques mentioned in the *Theoretical Framework* (Section 2) and results extracted from the network data (Section 3).

## 2. Data and Methodology

As detailed in **Section 2.7 (Data)**, the study covers global trade network evolution from 2010 to 2024. Table 1 provides the descriptive statistics for this coverage.

Table 1: Key Trade Network Indicators (Class 3: Tables)		
Metric	Value/Trend	Reference
G7–BRICS+ Share	Declining since 2018	Figure 1
Network Modularity ( $Q$ )	Negative (Interconnected)	Figure 2
Adjusted Rand Index	Peak in 2024	Figure 3
Resilience Loss Index	High Fragility in 2023	Figure 4

## 3. Summary of Visual Evidence

Following the *Class 3* guidelines on figures and captions, we highlight:

- **Decoupling (Fig. 1):** A clear downward trend in  $S_t$  following the 2018 trade war and 2022 invasion.
- **Persistence (Fig. 2):** The absence of structural fragmentation; G7 and BRICS+ remain "structurally inseparable."
- **Realignment (Fig. 3):** A statistically significant shift toward "bloc-aware" trade patterns in 2024.

## 5. Conclusion

While trade volumes suggest a "decoupling," the network modularity indicates that the global system has not yet fragmented. However, the rise in Systemic Vulnerability (RLI) suggests a more fragile equilibrium.

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