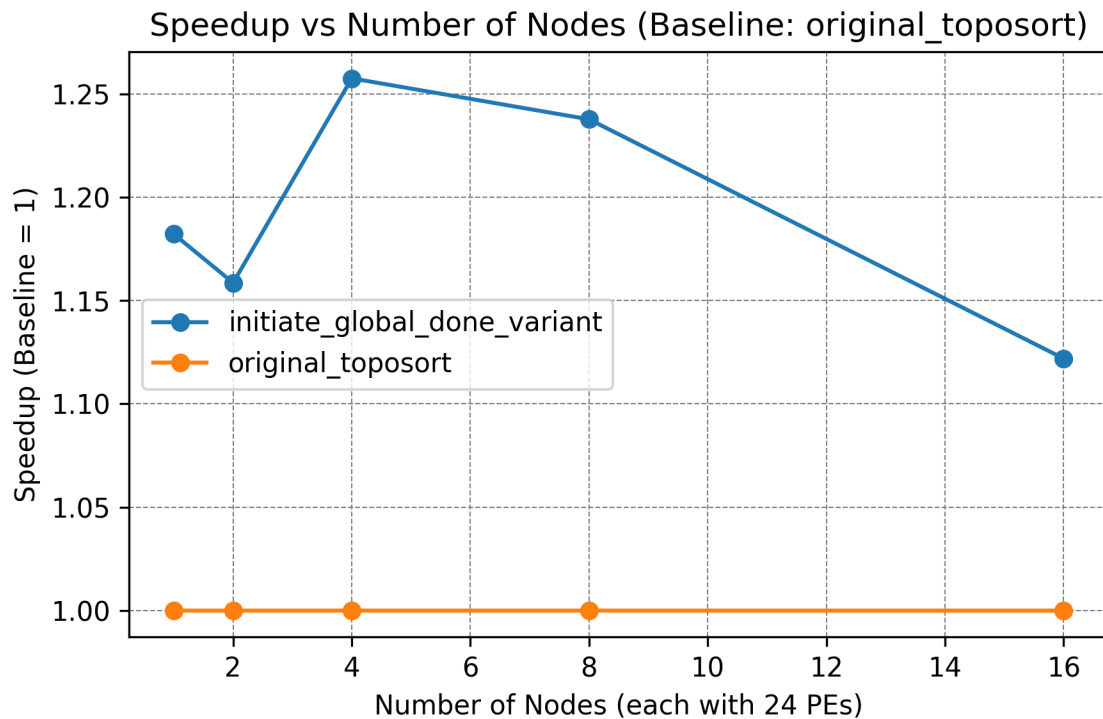


## Graph: Speedup vs Number of Nodes



## Average Percentage Differences (Baseline: original\_toposort)

Compared to baseline variant 'original\_toposort', variant 'initiate\_global\_done\_variant' has lap times that are on average 15.93% lower.

## Two-Sample T-Tests

Null Hypothesis: There is no significant difference in mean lap times between 'initiate\_global\_done\_variant' and 'original\_toposort' variants.

| Nodes | t-statistic | p-value  | Conclusion      |
|-------|-------------|----------|-----------------|
| 1     | -3.70e+01   | 4.29e-35 | Significant     |
| 2     | -1.82e+01   | 7.26e-23 | Significant     |
| 4     | -1.96e+00   | 5.96e-02 | Not Significant |
| 8     | -2.14e+00   | 4.07e-02 | Significant     |
| 16    | -1.20e+01   | 8.53e-16 | Significant     |