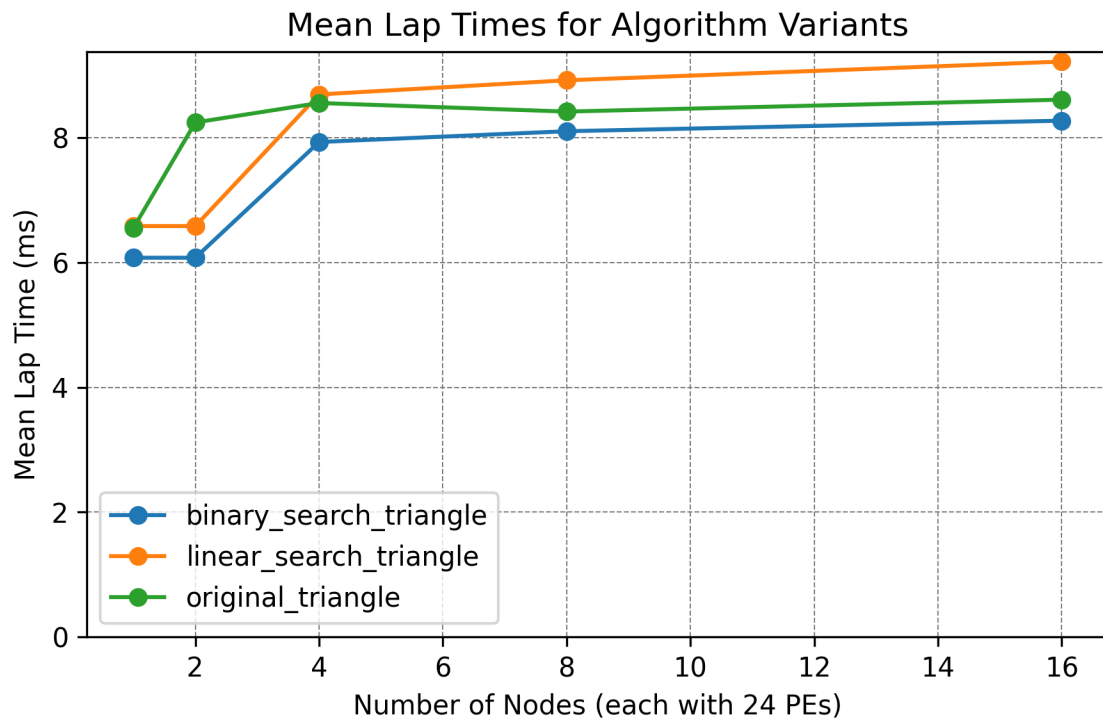


## Graph: Mean Lap Times



## Two-Sample T-Tests

Null Hypothesis: There is no significant difference in mean lap times between 'binary\_search\_triangle' and 'linear\_search\_triangle' variants.

Nodes	t-statistic	p-value	Conclusion
1	-3.82e+00	6.34e-04	Significant
2	-3.82e+00	6.34e-04	Significant
4	-3.90e+00	2.65e-04	Significant
8	-3.67e+00	5.31e-04	Significant
16	-4.26e+00	7.64e-05	Significant

Null Hypothesis: There is no significant difference in mean lap times between 'binary\_search\_triangle' and 'original\_triangle' variants.

Nodes	t-statistic	p-value	Conclusion
1	-2.53e+00	1.40e-02	Significant
2	-1.23e+01	1.04e-17	Significant

4	-2.48e+00	1.71e-02	Significant
8	-1.99e+00	5.43e-02	Not Significant
16	-1.70e+00	9.53e-02	Not Significant

Null Hypothesis: There is no significant difference in mean lap times between 'linear\_search\_triangle' and 'original\_triangle' variants.

Nodes	t-statistic	p-value	Conclusion
1	2.17e-01	8.30e-01	Not Significant
2	-1.42e+01	9.30e-15	Significant
4	5.07e-01	6.14e-01	Not Significant
8	2.98e+00	5.41e-03	Significant
16	3.12e+00	2.87e-03	Significant