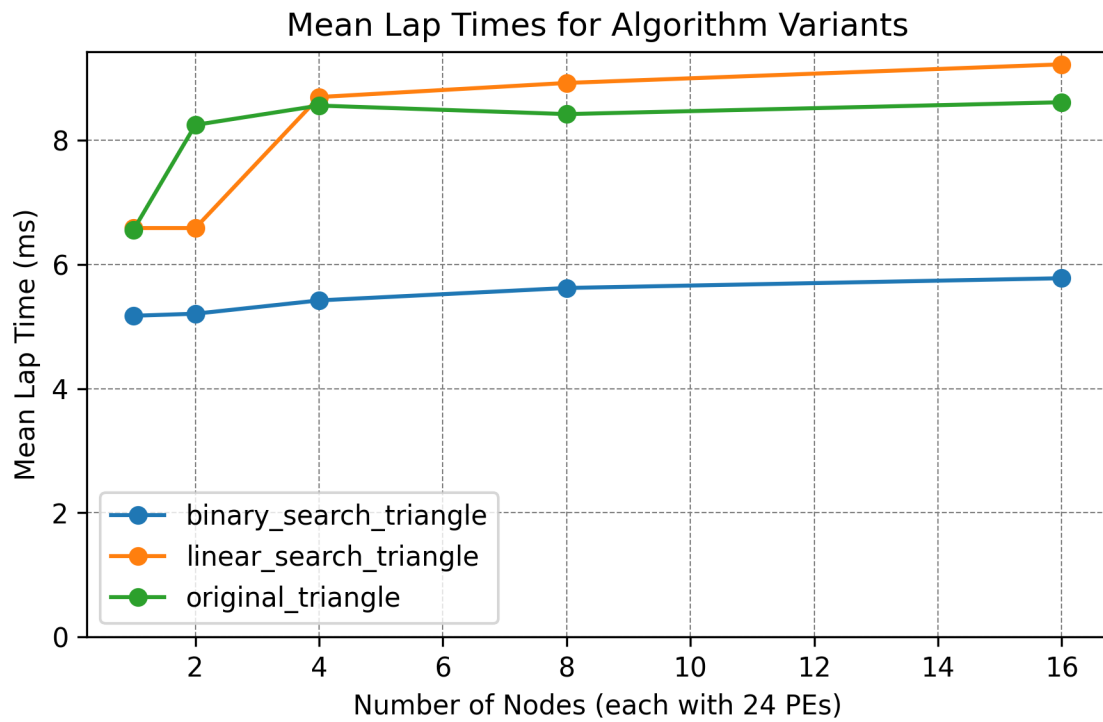


## Graph: Mean Lap Times



## 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	-1.29e+02	1.06e-42	Significant
2	-1.26e+02	2.17e-42	Significant
4	-2.11e+01	2.59e-19	Significant
8	-2.01e+01	6.39e-19	Significant
16	-2.20e+01	5.04e-20	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	-1.03e+01	3.57e-11	Significant
2	-2.62e+01	9.85e-22	Significant

4	-1.41e+01	1.47e-14	Significant
8	-5.81e+01	2.82e-40	Significant
16	-2.36e+01	3.58e-21	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