

CSE-474

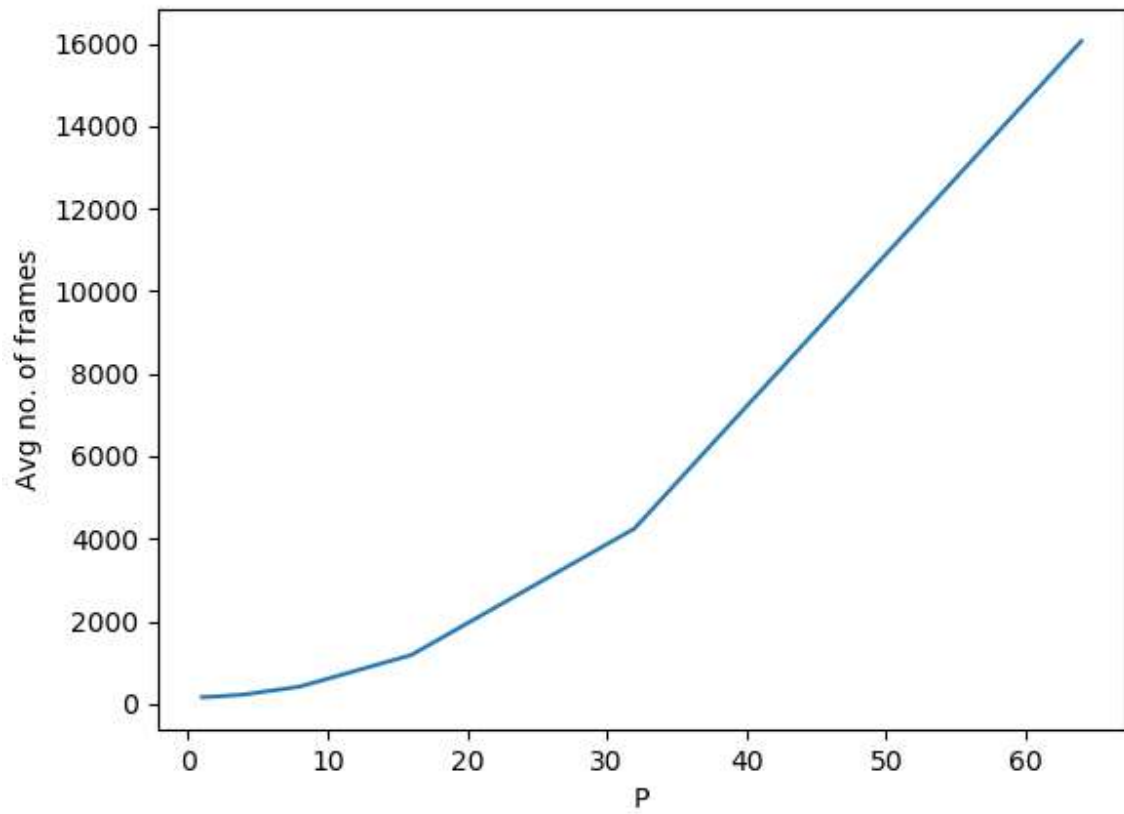
Offline 4: Experimental Results

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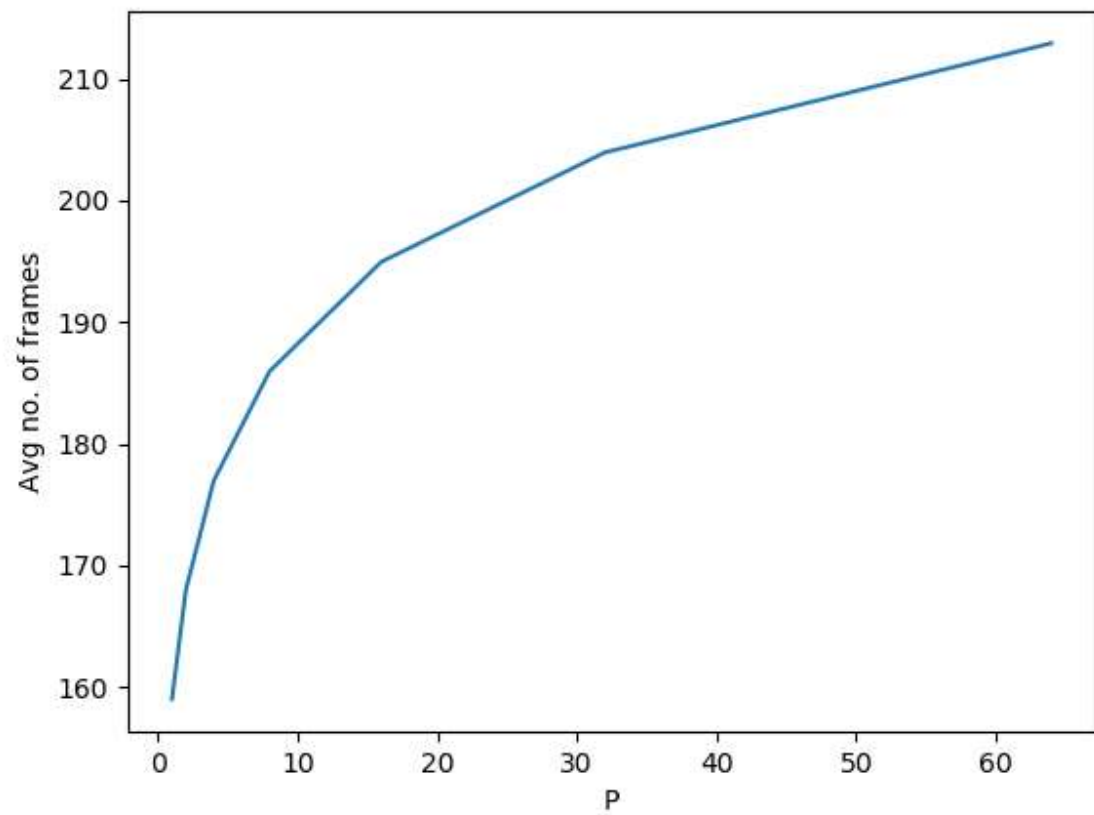
1. Performance Comparison of Three Methods

| P | Average Number of Searches Per Frame | | |
|--------|--------------------------------------|------------------------|------------------------|
| | Exhaustive | Logarithmic | Hierarchical |
| 1 | 159.84078947368 42 | 158.99868421052 63 | 161.53815789473 686 |
| 2 | 173.97894736842 105 | 167.98684210526 315 | 161.53815789473 686 |
| 4 | 221.91578947368 4 | 176.975 | 161.53815789473 686 |
| 8 | 413.66315789473 686 | 185.96315789473 684 | 181.96842105263 158 |
| 1 6 | 1180.6526315789 474 | 194.95131578947 368 | 229.90526315789 472 |
| 3 2 | 4248.6105263157 9 | 203.93947368421 053 | 421.65263157894 736 |
| 6 4 | 16059.165789473 684 | 212.92763157894 737 | 1165.1223684210 527 |

2. Plot of Performance of Exhaustive Method



3. Plot of Performance of Logarithmic Method



4. Plot of Performance of Hierarchical Method

