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| --- | --- | --- | --- |
| **Profile 1 Job Size(1-1024)** | | | |
|  | Best Fit | Worst Fit | First Fit |
| The average fragmentation | 28.08% | 29.41% | 28.67% |
| The average size of a hole | 268.844 | 283.569 | 275.813 |
| The average number of holes that must be examined to satisfy a single new partition request | 4.29152 | 4.33665 | 3.76555 |
| The highest fragmentation measured in any time step | 95.90% | 95.70% | 96.68% |
| The lowest fragmentation measured in any time step | 0.10% | 0.10% | 0.10% |
| The average number of jobs in memory | 1.624 | 1.624 | 1.568 |
| The highest number of jobs ever in memory | 5 | 6 | 5 |
| The lowest number of jobs ever in memory | 1 | 1 | 1 |
| The average size of a job | 443.776 | 438.227 | 458.64 |
| The average number of holes | 1.132 | 1.105 | 1.109 |
| The highest number of holes recorded | 3 | 3 | 3 |
| The lowest number of holes recorded | 0 | 0 | 0 |
| The largest number of partitions created in a row without any intervening evictions | 6 | 6 | 5 |
| The largest number of evictions required in satisfying a single new partition request | 5 | 6 | 5 |

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| **Profile 2 Job Size(1-100)** | | | |
|  | Best Fit | Worst Fit | First Fit |
| The average fragmentation | 1.99% | 2.86% | 2.31% |
| The average size of a hole | 21.9901 | 26.2976 | 22.6805 |
| The average number of holes that must be examined to satisfy a single new partition request | 2.31419 | 2.25693 | 1.59373 |
| The highest fragmentation measured in any time step | 17.29% | 14.84% | 13.38% |
| The lowest fragmentation measured in any time step | 0.10% | 0.10% | 0.10% |
| The average number of jobs in memory | 16.776 | 17.082 | 16.816 |
| The highest number of jobs ever in memory | 27 | 28 | 25 |
| The lowest number of jobs ever in memory | 9 | 9 | 10 |
| The average size of a job | 50.9419 | 47.7887 | 49.847 |
| The average number of holes | 7.75 | 7.936 | 8.236 |
| The highest number of holes recorded | 12 | 12 | 13 |
| The lowest number of holes recorded | 4 | 4 | 4 |
| The largest number of partitions created in a row without any intervening evictions | 23 | 20 | 19 |
| The largest number of evictions required in satisfying a single new partition request | 11 | 15 | 13 |

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| **Profile 3 Job Size(500-1000)** | | | |
|  | Best Fit | Worst Fit | First Fit |
| The average fragmentation | 25.96% | 27.24% | 27.12% |
| The average size of a hole | 265.542 | 278.647 | 277.444 |
| The average number of holes that must be examined to satisfy a single new partition request | 4 | 3.996 | 3.995 |
| The highest fragmentation measured in any time step | 51.17% | 51.17% | 51.17% |
| The lowest fragmentation measured in any time step | 0.59% | 2.34% | 1.66% |
| The average number of jobs in memory | 1.003 | 1.001 | 1.002 |
| The highest number of jobs ever in memory | 2 | 1 | 2 |
| The lowest number of jobs ever in memory | 1 | 1 | 1 |
| The average size of a job | 756.945 | 745.353 | 745.811 |
| The average number of holes | 1.001 | 1.001 | 1.001 |
| The highest number of holes recorded | 1 | 1 | 1 |
| The lowest number of holes recorded | 1 | 1 | 1 |
| The largest number of partitions created in a row without any intervening evictions | 2 | 2 | 2 |
| The largest number of evictions required in satisfying a single new partition request | 2 | 1 | 2 |