**Universidade Federal de Ouro Preto - UFOP**

**Organização de Computadores - BCC 266**

# TRABALHO PRÁTICO 03

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**30% de repetição:**

*Obs.:* *Número de instruções igual a 10000 e tam. do for igual a 4*

| Tam. Cache1 | Tam. Cache2 | Tam. Cache3 | C1 Hit | C1 Miss | C2 Hit | C2 Miss | C3 Hit | C3 Miss | Ram Hit | Ram Miss | HD Hit | Tempo: |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 8.88% | 91.12% | 1.38% | 89.74% | 7.14% | 82.0% | 77.71% | 4.89% | 4.89% | 162496 |
| 2 | 3 | 4 | 43.62% | 56.38% | 4.14% | 52.24% | 6.65% | 45.59% | 43.72% | 1.87% | 1.87% | 100428 |
| 3 | 4 | 5 | 88.32% | 11.68% | 0.93% | 10.75% | 2.05% | 8.7% | 7.03% | 1.67% | 1.67% | 29497 |
| 4 | 5 | 6 | 50.15% | 49.85% | 4.72% | 45.13% | 12.57% | 32.56% | 31.14% | 1.42% | 1.42% | 84219 |
| 2 | 2 | 2 | 48.98% | 51.02% | 0.49% | 50.53% | 1.39% | 49.14% | 47.01% | 2.13% | 2.13% | 99389 |
| 3 | 3 | 3 | 30.08% | 69.92% | 16.81% | 53.11% | 5.39% | 47.72% | 43.3% | 4.42% | 4.42% | 95456 |

**60% de repetição:**

*Obs.:* *Número de instruções igual a 10000 e tam. do for igual a 4*

| Tam. Cache1 | Tam. Cache2 | Tam. Cache3 | C1 Hit | C1 Miss | C2 Hit | C2 Miss | C3 Hit | C3 Miss | Ram Hit | Ram Miss | HD Hit | Tempo: |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 29% | 71% | 8.08% | 62.92% | 6.27% | 56.65% | 54.47% | 2.18% | 2.18% | 173237 |
| 2 | 3 | 4 | 51.77% | 48.23% | 0% | 48.23% | 6.96% | 41.27% | 40.44% | 0.83% | 0.83% | 98856 |
| 3 | 4 | 5 | 94.97% | 5.03% | 0.62% | 4.41% | 0.83% | 3.58% | 2.38% | 0.75% | 0.75% | 24478 |
| 4 | 5 | 6 | 94.96% | 5.04% | 0.53% | 4.51% | 1.14% | 3.37% | 2.71% | 0.66% | 0.66% | 24634 |
| 2 | 2 | 2 | 25.51% | 74.49% | 9.03% | 65.46% | 3.56% | 61.9% | 59.76% | 2.14% | 2.14% | 117283 |
| 3 | 3 | 3 | 31.96% | 68.04% | 18.06% | 49.98% | 4.16% | 45.81% | 43.81% | 2.01% | 2.01% | 98915 |

## 90% de repetição:
*Obs.: Número de instruções igual a 10000 e tam. do for igual a 4*

| Tam. Cache1 | Tam. Cache2 | Tam. Cache3 | C1 Hit | C1 Miss | C2 Hit | C2 Miss | C3 Hit | C3 Miss | Ram Hit | Ram Miss | HD Hit | Tempo: |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 22.04% | 77.96% | 16.83% | 61.13% | 24.46% | 36.67% | 36.13% | 0.54% | 0.54% | 99910 |
| 2 | 3 | 4 | 34.26% | 65.74% | 17.51% | 48.23% | 7.08% | 41.15% | 40.83% | 0.32% | 0.32% | 86687 |
| 3 | 4 | 5 | 56.08% | 43.92% | 3.07% | 40.85% | 8.6% | 32.25% | 32.06% | 0.19% | 0.19% | 117454 |
| 4 | 5 | 6 | 49.90% | 50.1% | 7.73% | 42.37% | 10.81% | 31.56% | 31.36% | 0.2% | 0.2% | 85734 |
| 2 | 2 | 2 | 24.11% | 75.89% | 1.75% | 74.14% | 2.62% | 71.52% | 71.16% | 0.36% | 0.36% | 131355 |
| 3 | 3 | 3 | 75.42% | 24.58% | 2.56% | 22.02% | 2.62% | 19.4% | 19.2% | 0.2% | 0.2% | 55783 |

## 97% de repetição:
*Obs.: Número de instruções igual a 10000 e tam. do for igual a 6*

| Tam. Cache1 | Tam. Cache2 | Tam. Cache3 | C1 Hit | C1 Miss | C2 Hit | C2 Miss | C3 Hit | C3 Miss | Ram Hit | Ram Miss | HD Hit | Tempo: |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 15.21% | 84.79% | 15.13% | 69.66% | 6.23% | 63.43% | 63.32% | 0.11% | 0.11% | 123749 |
| 2 | 3 | 4 | 22.29% | 77.71% | 13.19% | 64.52% | 12.02% | 52.5% | 52.39% | 0.11% | 0.11% | 119747 |
| 3 | 4 | 5 | 83.18% | 16.82% | 3.93% | 12.89% | 2.39% | 10.5% | 10.39% | 0.11% | 0.11% | 42634 |
| 4 | 5 | 6 | 99.76% | 0.24% | 0% | 0.24% | 0.06% | 0.18% | 0.07% | 0.11% | 0.11% | 12824 |
| 2 | 2 | 2 | 41.61% | 58.39% | 0% | 58.39% | 1.61% | 56.78% | 56.67% | 0.11% | 0.11% | 126810 |
| 3 | 3 | 3 | 54.46% | 45.54% | 1.68% | 43.86% | 7.54% | 36.32% | 36.21% | 0.11% | 0.11% | 89720 |