

# Testes

| Log | % do log | Frames livres | Algoritmo | Pagefaults | Nº entradas |
|-----|----------|---------------|-----------|------------|-------------|
| 1   | 10       | 4             | OPT       | 186823     | 199856      |
| 1   | 10       | 4             | LRU       | 199852     | 199856      |
| 1   | 10       | 8             | OPT       | 186822     | 199856      |
| 1   | 10       | 8             | LRU       | 199847     | 199856      |
| 1   | 10       | 16            | OPT       | 186820     | 199856      |
| 1   | 10       | 16            | LRU       | 199843     | 199856      |
| 1   | 10       | 32            | OPT       | 186786     | 199856      |
| 1   | 10       | 32            | LRU       | 199828     | 199856      |
| 1   | 20       | 4             | OPT       | 379852     | 408070      |
| 1   | 20       | 4             | LRU       | 408065     | 408070      |
| 1   | 20       | 8             | OPT       | 379851     | 408070      |
| 1   | 20       | 8             | LRU       | 408058     | 408070      |
| 1   | 20       | 16            | OPT       | 379848     | 408070      |
| 1   | 20       | 16            | LRU       | 408051     | 408070      |
| 1   | 20       | 32            | OPT       | 379765     | 408070      |
| 1   | 20       | 32            | LRU       | 408025     | 408070      |
| 1   | 30       | 4             | OPT       | 573061     | 616342      |
| 1   | 30       | 4             | LRU       | 616336     | 616342      |
| 1   | 30       | 8             | OPT       | 573060     | 616342      |
| 1   | 30       | 8             | LRU       | 616329     | 616342      |
| 1   | 30       | 16            | OPT       | 573056     | 616342      |
| 1   | 30       | 16            | LRU       | 616319     | 616342      |
| 1   | 30       | 32            | OPT       | 572905     | 616342      |
| 1   | 30       | 32            | LRU       | 616289     | 616342      |
| 1   | 40       | 4             | OPT       | 766442     | 824643      |
| 1   | 40       | 4             | LRU       | 824637     | 824643      |
| 1   | 40       | 8             | OPT       | 766440     | 824643      |
| 1   | 40       | 8             | LRU       | 824628     | 824643      |
| 1   | 40       | 16            | OPT       | 766435     | 824643      |
| 1   | 40       | 16            | LRU       | 824615     | 824643      |
| 1   | 40       | 32            | OPT       | 766228     | 824643      |
| 1   | 40       | 32            | LRU       | 824580     | 824643      |
| 1   | 50       | 4             | OPT       | 975072     | 1034132     |
| 1   | 50       | 4             | LRU       | 1034125    | 1034132     |
| 1   | 50       | 8             | OPT       | 975070     | 1034132     |
| 1   | 50       | 8             | LRU       | 1034116    | 1034132     |
| 1   | 50       | 16            | OPT       | 975065     | 1034132     |
| 1   | 50       | 16            | LRU       | 1034103    | 1034132     |
| 1   | 50       | 32            | OPT       | 974858     | 1034132     |
| 1   | 50       | 32            | LRU       | 1034068    | 1034132     |
| 1   | 60       | 4             | OPT       | 1170602    | 1241298     |
| 1   | 60       | 4             | LRU       | 1241289    | 1241298     |
| 1   | 60       | 8             | OPT       | 1170600    | 1241298     |
| 1   | 60       | 8             | LRU       | 1241277    | 1241298     |
| 1   | 60       | 16            | OPT       | 1170594    | 1241298     |
| 1   | 60       | 16            | LRU       | 1241261    | 1241298     |
| 1   | 60       | 32            | OPT       | 1170333    | 1241298     |
| 1   | 60       | 32            | LRU       | 1241221    | 1241298     |

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|--------|-----|----|-----|---------|---------|
| 1      | 70  | 4  | OPT | 1365660 | 1449811 |
| 1      | 70  | 4  | LRU | 1449802 | 1449811 |
| 1      | 70  | 8  | OPT | 1365658 | 1449811 |
| 1      | 70  | 8  | LRU | 1449790 | 1449811 |
| 1      | 70  | 16 | OPT | 1365649 | 1449811 |
| 1      | 70  | 16 | LRU | 1449770 | 1449811 |
| 1      | 70  | 32 | OPT | 1365330 | 1449811 |
| 1      | 70  | 32 | LRU | 1449728 | 1449811 |
| 1      | 80  | 4  | OPT | 1560146 | 1658274 |
| 1      | 80  | 4  | LRU | 1658265 | 1658274 |
| 1      | 80  | 8  | OPT | 1560143 | 1658274 |
| 1      | 80  | 8  | LRU | 1658253 | 1658274 |
| 1      | 80  | 16 | OPT | 1560133 | 1658274 |
| 1      | 80  | 16 | LRU | 1658229 | 1658274 |
| 1      | 80  | 32 | OPT | 1559764 | 1658274 |
| 1      | 80  | 32 | LRU | 1658179 | 1658274 |
| 1      | 90  | 4  | OPT | 1754461 | 1866555 |
| 1      | 90  | 4  | LRU | 1866544 | 1866555 |
| 1      | 90  | 8  | OPT | 1754458 | 1866555 |
| 1      | 90  | 8  | LRU | 1866531 | 1866555 |
| 1      | 90  | 16 | OPT | 1754448 | 1866555 |
| 1      | 90  | 16 | LRU | 1866502 | 1866555 |
| 1      | 90  | 32 | OPT | 1754010 | 1866555 |
| 1      | 90  | 32 | LRU | 1866445 | 1866555 |
| 1      | 100 | 4  | OPT | 1949008 | 2075033 |
| 1      | 100 | 4  | LRU | 2075021 | 2075033 |
| 1      | 100 | 8  | OPT | 1949005 | 2075033 |
| 1      | 100 | 8  | LRU | 2075006 | 2075033 |
| 1      | 100 | 16 | OPT | 1948995 | 2075033 |
| 1      | 100 | 16 | LRU | 2074971 | 2075033 |
| 1      | 100 | 32 | OPT | 1948493 | 2075033 |
| 1      | 100 | 32 | LRU | 2074910 | 2075033 |
| 2      | 10  | 4  | OPT | 186738  | 199842  |
| 2      | 10  | 4  | LRU | 199838  | 199842  |
| 2      | 10  | 8  | OPT | 186737  | 199842  |
| 2      | 10  | 8  | LRU | 199833  | 199842  |
| 2      | 10  | 16 | OPT | 186735  | 199842  |
| 2      | 10  | 16 | LRU | 199830  | 199842  |
| 2      | 10  | 32 | OPT | 186702  | 199842  |
| 2      | 10  | 32 | LRU | 199812  | 199842  |
| 2      | 20  | 4  | OPT | 379672  | 408031  |
| 2      | 20  | 4  | LRU | 408026  | 408031  |
| 2      | 20  | 8  | OPT | 379671  | 408031  |
| 2      | 20  | 8  | LRU | 408019  | 408031  |
| 2      | 20  | 16 | OPT | 379668  | 408031  |
| 2      | 20  | 16 | LRU | 408013  | 408031  |
| 2      | 20  | 32 | OPT | 379586  | 408031  |
| 2      | 20  | 32 | LRU | 407983  | 408031  |
| 2      | 30  | 4  | OPT | 572771  | 616285  |

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|--------|----|----|-----|---------|---------|
| 2      | 30 | 4  | LRU | 616279  | 616285  |
| 2      | 30 | 8  | OPT | 572770  | 616285  |
| 2      | 30 | 8  | LRU | 616272  | 616285  |
| 2      | 30 | 16 | OPT | 572766  | 616285  |
| 2      | 30 | 16 | LRU | 616263  | 616285  |
| 2      | 30 | 32 | OPT | 572616  | 616285  |
| 2      | 30 | 32 | LRU | 616229  | 616285  |
| 2      | 40 | 4  | OPT | 766045  | 824571  |
| 2      | 40 | 4  | LRU | 824565  | 824571  |
| 2      | 40 | 8  | OPT | 766043  | 824571  |
| 2      | 40 | 8  | LRU | 824556  | 824571  |
| 2      | 40 | 16 | OPT | 766037  | 824571  |
| 2      | 40 | 16 | LRU | 824544  | 824571  |
| 2      | 40 | 32 | OPT | 765830  | 824571  |
| 2      | 40 | 32 | LRU | 824506  | 824571  |
| 2      | 50 | 4  | OPT | 974667  | 1034058 |
| 2      | 50 | 4  | LRU | 1034051 | 1034058 |
| 2      | 50 | 8  | OPT | 974665  | 1034058 |
| 2      | 50 | 8  | LRU | 1034042 | 1034058 |
| 2      | 50 | 16 | OPT | 974659  | 1034058 |
| 2      | 50 | 16 | LRU | 1034030 | 1034058 |
| 2      | 50 | 32 | OPT | 974452  | 1034058 |
| 2      | 50 | 32 | LRU | 1033992 | 1034058 |
| 2      | 60 | 4  | OPT | 1170157 | 1241218 |
| 2      | 60 | 4  | LRU | 1241210 | 1241218 |
| 2      | 60 | 8  | OPT | 1170154 | 1241218 |
| 2      | 60 | 8  | LRU | 1241197 | 1241218 |
| 2      | 60 | 16 | OPT | 1170147 | 1241218 |
| 2      | 60 | 16 | LRU | 1241182 | 1241218 |
| 2      | 60 | 32 | OPT | 1169888 | 1241218 |
| 2      | 60 | 32 | LRU | 1241138 | 1241218 |
| 2      | 70 | 4  | OPT | 1365159 | 1449719 |
| 2      | 70 | 4  | LRU | 1449711 | 1449719 |
| 2      | 70 | 8  | OPT | 1365156 | 1449719 |
| 2      | 70 | 8  | LRU | 1449698 | 1449719 |
| 2      | 70 | 16 | OPT | 1365147 | 1449719 |
| 2      | 70 | 16 | LRU | 1449679 | 1449719 |
| 2      | 70 | 32 | OPT | 1364831 | 1449719 |
| 2      | 70 | 32 | LRU | 1449633 | 1449719 |
| 2      | 80 | 4  | OPT | 1559609 | 1658176 |
| 2      | 80 | 4  | LRU | 1658168 | 1658176 |
| 2      | 80 | 8  | OPT | 1559605 | 1658176 |
| 2      | 80 | 8  | LRU | 1658155 | 1658176 |
| 2      | 80 | 16 | OPT | 1559595 | 1658176 |
| 2      | 80 | 16 | LRU | 1658131 | 1658176 |
| 2      | 80 | 32 | OPT | 1559229 | 1658176 |
| 2      | 80 | 32 | LRU | 1658077 | 1658176 |
| 2      | 90 | 4  | OPT | 1753927 | 1866458 |
| 2      | 90 | 4  | LRU | 1866448 | 1866458 |

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|   |     |    |     |         |         |
|---|-----|----|-----|---------|---------|
| 2 | 90  | 8  | OPT | 1753923 | 1866458 |
| 2 | 90  | 8  | LRU | 1866434 | 1866458 |
| 2 | 90  | 16 | OPT | 1753913 | 1866458 |
| 2 | 90  | 16 | LRU | 1866405 | 1866458 |
| 2 | 90  | 32 | OPT | 1753478 | 1866458 |
| 2 | 90  | 32 | LRU | 1866344 | 1866458 |
| 2 | 100 | 4  | OPT | 1948476 | 2074939 |
| 2 | 100 | 4  | LRU | 2074928 | 2074939 |
| 2 | 100 | 8  | OPT | 1948472 | 2074939 |
| 2 | 100 | 8  | LRU | 2074912 | 2074939 |
| 2 | 100 | 16 | OPT | 1948462 | 2074939 |
| 2 | 100 | 16 | LRU | 2074877 | 2074939 |
| 2 | 100 | 32 | OPT | 1947961 | 2074939 |
| 2 | 100 | 32 | LRU | 2074812 | 2074939 |
| 3 | 10  | 4  | OPT | 186693  | 199835  |
| 3 | 10  | 4  | LRU | 199831  | 199835  |
| 3 | 10  | 8  | OPT | 186692  | 199835  |
| 3 | 10  | 8  | LRU | 199827  | 199835  |
| 3 | 10  | 16 | OPT | 186690  | 199835  |
| 3 | 10  | 16 | LRU | 199821  | 199835  |
| 3 | 10  | 32 | OPT | 186657  | 199835  |
| 3 | 10  | 32 | LRU | 199806  | 199835  |
| 3 | 20  | 4  | OPT | 379594  | 408036  |
| 3 | 20  | 4  | LRU | 408031  | 408036  |
| 3 | 20  | 8  | OPT | 379593  | 408036  |
| 3 | 20  | 8  | LRU | 408025  | 408036  |
| 3 | 20  | 16 | OPT | 379589  | 408036  |
| 3 | 20  | 16 | LRU | 408016  | 408036  |
| 3 | 20  | 32 | OPT | 379507  | 408036  |
| 3 | 20  | 32 | LRU | 407993  | 408036  |
| 3 | 30  | 4  | OPT | 572651  | 616282  |
| 3 | 30  | 4  | LRU | 616276  | 616282  |
| 3 | 30  | 8  | OPT | 572650  | 616282  |
| 3 | 30  | 8  | LRU | 616270  | 616282  |
| 3 | 30  | 16 | OPT | 572645  | 616282  |
| 3 | 30  | 16 | LRU | 616257  | 616282  |
| 3 | 30  | 32 | OPT | 572497  | 616282  |
| 3 | 30  | 32 | LRU | 616228  | 616282  |
| 3 | 40  | 4  | OPT | 765870  | 824551  |
| 3 | 40  | 4  | LRU | 824545  | 824551  |
| 3 | 40  | 8  | OPT | 765868  | 824551  |
| 3 | 40  | 8  | LRU | 824538  | 824551  |
| 3 | 40  | 16 | OPT | 765862  | 824551  |
| 3 | 40  | 16 | LRU | 824523  | 824551  |
| 3 | 40  | 32 | OPT | 765657  | 824551  |
| 3 | 40  | 32 | LRU | 824490  | 824551  |
| 3 | 50  | 4  | OPT | 974498  | 1034038 |
| 3 | 50  | 4  | LRU | 1034031 | 1034038 |
| 3 | 50  | 8  | OPT | 974496  | 1034038 |

| Testes |     |    |     |         |         |
|--------|-----|----|-----|---------|---------|
| 3      | 50  | 8  | LRU | 1034024 | 1034038 |
| 3      | 50  | 16 | OPT | 974490  | 1034038 |
| 3      | 50  | 16 | LRU | 1034009 | 1034038 |
| 3      | 50  | 32 | OPT | 974285  | 1034038 |
| 3      | 50  | 32 | LRU | 1033976 | 1034038 |
| 3      | 60  | 4  | OPT | 1169882 | 1241178 |
| 3      | 60  | 4  | LRU | 1241170 | 1241178 |
| 3      | 60  | 8  | OPT | 1169880 | 1241178 |
| 3      | 60  | 8  | LRU | 1241160 | 1241178 |
| 3      | 60  | 16 | OPT | 1169873 | 1241178 |
| 3      | 60  | 16 | LRU | 1241141 | 1241178 |
| 3      | 60  | 32 | OPT | 1169621 | 1241178 |
| 3      | 60  | 32 | LRU | 1241103 | 1241178 |
| 3      | 70  | 4  | OPT | 1364785 | 1449675 |
| 3      | 70  | 4  | LRU | 1449667 | 1449675 |
| 3      | 70  | 8  | OPT | 1364783 | 1449675 |
| 3      | 70  | 8  | LRU | 1449657 | 1449675 |
| 3      | 70  | 16 | OPT | 1364774 | 1449675 |
| 3      | 70  | 16 | LRU | 1449634 | 1449675 |
| 3      | 70  | 32 | OPT | 1364471 | 1449675 |
| 3      | 70  | 32 | LRU | 1449593 | 1449675 |
| 3      | 80  | 4  | OPT | 1559101 | 1658117 |
| 3      | 80  | 4  | LRU | 1658109 | 1658117 |
| 3      | 80  | 8  | OPT | 1559098 | 1658117 |
| 3      | 80  | 8  | LRU | 1658098 | 1658117 |
| 3      | 80  | 16 | OPT | 1559088 | 1658117 |
| 3      | 80  | 16 | LRU | 1658072 | 1658117 |
| 3      | 80  | 32 | OPT | 1558738 | 1658117 |
| 3      | 80  | 32 | LRU | 1658023 | 1658117 |
| 3      | 90  | 4  | OPT | 1753265 | 1866382 |
| 3      | 90  | 4  | LRU | 1866372 | 1866382 |
| 3      | 90  | 8  | OPT | 1753262 | 1866382 |
| 3      | 90  | 8  | LRU | 1866360 | 1866382 |
| 3      | 90  | 16 | OPT | 1753252 | 1866382 |
| 3      | 90  | 16 | LRU | 1866329 | 1866382 |
| 3      | 90  | 32 | OPT | 1752840 | 1866382 |
| 3      | 90  | 32 | LRU | 1866273 | 1866382 |
| 3      | 100 | 4  | OPT | 1947660 | 2074836 |
| 3      | 100 | 4  | LRU | 2074825 | 2074836 |
| 3      | 100 | 8  | OPT | 1947657 | 2074836 |
| 3      | 100 | 8  | LRU | 2074811 | 2074836 |
| 3      | 100 | 16 | OPT | 1947647 | 2074836 |
| 3      | 100 | 16 | LRU | 2074774 | 2074836 |
| 3      | 100 | 32 | OPT | 1947177 | 2074836 |
| 3      | 100 | 32 | LRU | 2074712 | 2074836 |
| 4      | 10  | 4  | OPT | 573061  | 616342  |
| 4      | 10  | 4  | LRU | 616336  | 616342  |
| 4      | 10  | 8  | OPT | 573060  | 616342  |
| 4      | 10  | 8  | LRU | 616329  | 616342  |

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|   |    |    |     |         |         |
|---|----|----|-----|---------|---------|
| 4 | 10 | 16 | OPT | 573056  | 616342  |
| 4 | 10 | 16 | LRU | 616319  | 616342  |
| 4 | 10 | 32 | OPT | 572905  | 616342  |
| 4 | 10 | 32 | LRU | 616289  | 616342  |
| 4 | 20 | 4  | OPT | 1170602 | 1241298 |
| 4 | 20 | 4  | LRU | 1241289 | 1241298 |
| 4 | 20 | 8  | OPT | 1170600 | 1241298 |
| 4 | 20 | 8  | LRU | 1241277 | 1241298 |
| 4 | 20 | 16 | OPT | 1170594 | 1241298 |
| 4 | 20 | 16 | LRU | 1241261 | 1241298 |
| 4 | 20 | 32 | OPT | 1170333 | 1241298 |
| 4 | 20 | 32 | LRU | 1241221 | 1241298 |
| 4 | 30 | 4  | OPT | 1754461 | 1866555 |
| 4 | 30 | 4  | LRU | 1866544 | 1866555 |
| 4 | 30 | 8  | OPT | 1754458 | 1866555 |
| 4 | 30 | 8  | LRU | 1866531 | 1866555 |
| 4 | 30 | 16 | OPT | 1754448 | 1866555 |
| 4 | 30 | 16 | LRU | 1866502 | 1866555 |
| 4 | 30 | 32 | OPT | 1754010 | 1866555 |
| 4 | 30 | 32 | LRU | 1866445 | 1866555 |
| 4 | 40 | 4  | OPT | 2328677 | 2483064 |
| 4 | 40 | 4  | LRU | 2483049 | 2483064 |
| 4 | 40 | 8  | OPT | 2328669 | 2483064 |
| 4 | 40 | 8  | LRU | 2483032 | 2483064 |
| 4 | 40 | 16 | OPT | 2328649 | 2483064 |
| 4 | 40 | 16 | LRU | 2482993 | 2483064 |
| 4 | 40 | 32 | OPT | 2328050 | 2483064 |
| 4 | 40 | 32 | LRU | 2482914 | 2483064 |
| 4 | 50 | 4  | OPT | 2923672 | 3109091 |
| 4 | 50 | 4  | LRU | 3109074 | 3109091 |
| 4 | 50 | 8  | OPT | 2923663 | 3109091 |
| 4 | 50 | 8  | LRU | 3109054 | 3109091 |
| 4 | 50 | 16 | OPT | 2923641 | 3109091 |
| 4 | 50 | 16 | LRU | 3109014 | 3109091 |
| 4 | 50 | 32 | OPT | 2922918 | 3109091 |
| 4 | 50 | 32 | LRU | 3108927 | 3109091 |
| 4 | 60 | 4  | OPT | 3508614 | 3733209 |
| 4 | 60 | 4  | LRU | 3733190 | 3733209 |
| 4 | 60 | 8  | OPT | 3508603 | 3733209 |
| 4 | 60 | 8  | LRU | 3733167 | 3733209 |
| 4 | 60 | 16 | OPT | 3508576 | 3733209 |
| 4 | 60 | 16 | LRU | 3733119 | 3733209 |
| 4 | 60 | 32 | OPT | 3507691 | 3733209 |
| 4 | 60 | 32 | LRU | 3733011 | 3733209 |
| 4 | 70 | 4  | OPT | 4084171 | 4349807 |
| 4 | 70 | 4  | LRU | 4349784 | 4349807 |
| 4 | 70 | 8  | OPT | 4084155 | 4349807 |
| 4 | 70 | 8  | LRU | 4349756 | 4349807 |
| 4 | 70 | 16 | OPT | 4084119 | 4349807 |

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|--------|-----|----|-----|---------|---------|
| 4      | 70  | 16 | LRU | 4349696 | 4349807 |
| 4      | 70  | 32 | OPT | 4083053 | 4349807 |
| 4      | 70  | 32 | LRU | 4349569 | 4349807 |
| 4      | 80  | 4  | OPT | 4663348 | 4974523 |
| 4      | 80  | 4  | LRU | 4974497 | 4974523 |
| 4      | 80  | 8  | OPT | 4663331 | 4974523 |
| 4      | 80  | 8  | LRU | 4974466 | 4974523 |
| 4      | 80  | 16 | OPT | 4663292 | 4974523 |
| 4      | 80  | 16 | LRU | 4974402 | 4974523 |
| 4      | 80  | 32 | OPT | 4662054 | 4974523 |
| 4      | 80  | 32 | LRU | 4974257 | 4974523 |
| 4      | 90  | 4  | OPT | 5262263 | 5599647 |
| 4      | 90  | 4  | LRU | 5599618 | 5599647 |
| 4      | 90  | 8  | OPT | 5262246 | 5599647 |
| 4      | 90  | 8  | LRU | 5599585 | 5599647 |
| 4      | 90  | 16 | OPT | 5262203 | 5599647 |
| 4      | 90  | 16 | LRU | 5599514 | 5599647 |
| 4      | 90  | 32 | OPT | 5260865 | 5599647 |
| 4      | 90  | 32 | LRU | 5599358 | 5599647 |
| 4      | 100 | 4  | OPT | 5845138 | 6224808 |
| 4      | 100 | 4  | LRU | 6224776 | 6224808 |
| 4      | 100 | 8  | OPT | 5845120 | 6224808 |
| 4      | 100 | 8  | LRU | 6224739 | 6224808 |
| 4      | 100 | 16 | OPT | 5845076 | 6224808 |
| 4      | 100 | 16 | LRU | 6224656 | 6224808 |
| 4      | 100 | 32 | OPT | 5843571 | 6224808 |
| 4      | 100 | 32 | LRU | 6224479 | 6224808 |