|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **tr-matmul.ref** |  |  |  |  |  |
| **memsize=50** | **rand** | **lru** | **fifo** | **clock** | **opt** |
| Hit count | 1893151 | 1846792 | 1760748 | 1846764 | 2300565 |
| Miss count | 994873 | 1041232 | 1127276 | 1041260 | 587459 |
| Clean evictions | 955573 | 1040070 | 1083233 | 1040095 | 586320 |
| Dirty evictions | 39250 | 1112 | 43993 | 1115 | 1089 |
| Total references | 2888024 | 2888024 | 2888024 | 2888024 | 2888024 |
| Hit rate | 65.5518 | 63.9466 | 60.9672 | 63.9456 | 79.6588 |
| Miss rate | 34.4482 | 36.0534 | 39.0328 | 36.0544 | 20.3412 |
|  |  |  |  |  |  |
| **memsize=100** | **rand** | **lru** | **fifo** | **clock** | **opt** |
| Hit count | 2564380 | 1881566 | 1804476 | 1846764 | 2795225 |
| Miss count | 323644 | 1006458 | 1083548 | 1041260 | 92799 |
| Clean evictions | 315957 | 1005277 | 1061225 | 1040095 | 91611 |
| Dirty evictions | 7587 | 1081 | 22223 | 1115 | 1088 |
| Total references | 2888024 | 2888024 | 2888024 | 2888024 | 2888024 |
| Hit rate | 88.7936 | 65.1506 | 62.4813 | 63.9456 | 96.7868 |
| Miss rate | 11.2064 | 34.8494 | 37.5187 | 36.0544 | 3.2132 |
|  |  |  |  |  |  |
| **memsize=150** | **rand** | **lru** | **fifo** | **clock** | **opt** |
| Hit count | 2791649 | 2855136 | 2853613 | 2854811 | 2861408 |
| Miss count | 96375 | 32888 | 34411 | 33213 | 26616 |
| Clean evictions | 93851 | 31657 | 32944 | 31979 | 25378 |
| Dirty evictions | 2374 | 1081 | 1317 | 1084 | 1088 |
| Total references | 2888024 | 2888024 | 2888024 | 2888024 | 2888024 |
| Hit rate | 96.6629 | 98.8612 | 98.8085 | 98.85 | 99.0784 |
| Miss rate | 3.3371 | 1.1388 | 1.1915 | 1.15 | 0.9216 |
|  |  |  |  |  |  |
| **memsize=200** | **rand** | **lru** | **fifo** | **clock** | **opt** |
| Hit count | 2831358 | 2855136 | 2853613 | 2854811 | 2861408 |
| Miss count | 56666 | 32888 | 34411 | 33213 | 26616 |
| Clean evictions | 54832 | 31657 | 32944 | 31979 | 25378 |
| Dirty evictions | 1634 | 1081 | 1317 | 1084 | 1088 |
| Total references | 2888024 | 2888024 | 2888024 | 2888024 | 2888024 |
| Hit rate | 98.0379 | 98.8612 | 98.8085 | 98.85 | 99.0784 |
| Miss rate | 1.9621 | 1.1388 | 1.1915 | 1.15 | 0.9216 |

**tr-simpleloop\_heap.ref**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **memsize=50** | **rand** | **lru** | **fifo** | **clock** | **opt** |
| Hit count | 7328 | 7532 | 7338 | 7517 | 7649 |
| Miss count | 2992 | 2788 | 2982 | 2803 | 2671 |
| Clean evictions | 231 | 91 | 214 | 102 | 20 |
| Dirty evictions | 2711 | 2647 | 2718 | 2651 | 2601 |
| Total references | 10320 | 10320 | 10320 | 10320 | 10320 |
| Hit rate | 71.0078 | 72.9845 | 71.1047 | 72.8391 | 74.1182 |
| Miss rate | 28.9922 | 27.0155 | 28.8953 | 27.1609 | 25.8818 |
|  |  |  |  |  |  |
| **memsize=100** | **rand** | **lru** | **fifo** | **clock** | **opt** |
| Hit count | 7539 | 7634 | 7561 | 7630 | 7676 |
| Miss count | 2781 | 2686 | 2759 | 2690 | 2644 |
| Clean evictions | 62 | 2 | 45 | 5 | 0 |
| Dirty evictions | 2619 | 2584 | 2614 | 2585 | 2494 |
| Total references | 10320 | 10320 | 10320 | 10320 | 10320 |
| Hit rate | 73.0523 | 73.9729 | 73.2655 | 73.9341 | 74.3798 |
| Miss rate | 26.9477 | 26.0271 | 26.7345 | 26.0659 | 25.6202 |
|  |  |  |  |  |  |
| **memsize=150** | **rand** | **lru** | **fifo** | **clock** | **opt** |
| Hit count | 7606 | 7636 | 7602 | 7633 | 7676 |
| Miss count | 2714 | 2684 | 2718 | 2687 | 2644 |
| Clean evictions | 14 | 0 | 16 | 0 | 0 |
| Dirty evictions | 2550 | 2534 | 2552 | 2537 | 2494 |
| Total references | 10320 | 10320 | 10320 | 10320 | 10320 |
| Hit rate | 73.7016 | 73.9922 | 73.6628 | 73.9632 | 74.3798 |
| Miss rate | 26.2984 | 26.0078 | 26.3372 | 26.0368 | 25.6202 |
|  |  |  |  |  |  |
| **memsize=200** | **rand** | **lru** | **fifo** | **clock** | **opt** |
| Hit count | 7602 | 7636 | 7610 | 7635 | 7676 |
| Miss count | 2718 | 2684 | 2710 | 2685 | 2644 |
| Clean evictions | 11 | 0 | 12 | 0 | 0 |
| Dirty evictions | 2507 | 2484 | 2498 | 2485 | 2444 |
| Total references | 10320 | 10320 | 10320 | 10320 | 10320 |
| Hit rate | 73.6628 | 73.9922 | 73.7403 | 73.9826 | 74.3798 |
| Miss rate | 26.3372 | 26.0078 | 26.2597 | 26.0174 | 25.6202 |

**tr-simpleloop\_stack.ref**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **memsize=50** | **rand** | **lru** | **fifo** | **clock** | **opt** |
| Hit count | 6418 | 6514 | 6426 | 6497 | 6610 |
| Miss count | 382 | 286 | 374 | 303 | 190 |
| Clean evictions | 152 | 88 | 149 | 98 | 18 |
| Dirty evictions | 180 | 148 | 175 | 155 | 122 |
| Total references | 6800 | 6800 | 6800 | 6800 | 6800 |
| Hit rate | 94.3824 | 95.7941 | 94.5 | 95.5441 | 97.2059 |
| Miss rate | 5.6176 | 4.2059 | 5.5 | 4.4559 | 2.7941 |
|  |  |  |  |  |  |
| **memsize=100** | **rand** | **lru** | **fifo** | **clock** | **opt** |
| Hit count | 6597 | 6625 | 6604 | 6623 | 6634 |
| Miss count | 203 | 175 | 196 | 177 | 166 |
| Clean evictions | 11 | 0 | 0 | 1 | 0 |
| Dirty evictions | 92 | 75 | 96 | 76 | 66 |
| Total references | 6800 | 6800 | 6800 | 6800 | 6800 |
| Hit rate | 97.0147 | 97.4265 | 97.1176 | 97.3971 | 97.5588 |
| Miss rate | 2.9853 | 2.5735 | 2.8824 | 2.6029 | 2.4412 |
|  |  |  |  |  |  |
| **memsize=150** | **rand** | **lru** | **fifo** | **clock** | **opt** |
| Hit count | 6632 | 6633 | 6625 | 6627 | 6634 |
| Miss count | 168 | 167 | 175 | 173 | 166 |
| Clean evictions | 0 | 0 | 0 | 0 | 0 |
| Dirty evictions | 18 | 17 | 25 | 23 | 16 |
| Total references | 6800 | 6800 | 6800 | 6800 | 6800 |
| Hit rate | 97.5294 | 97.5441 | 97.4265 | 97.4559 | 97.5588 |
| Miss rate | 2.4706 | 2.4559 | 2.5735 | 2.5441 | 2.4412 |
|  |  |  |  |  |  |
| **memsize=200** | **rand** | **lru** | **fifo** | **clock** | **opt** |
| Hit count | 6634 | 6634 | 6634 | 6634 | 6634 |
| Miss count | 166 | 166 | 166 | 166 | 166 |
| Clean evictions | 0 | 0 | 0 | 0 | 0 |
| Dirty evictions | 0 | 0 | 0 | 0 | 0 |
| Total references | 6800 | 6800 | 6800 | 6800 | 6800 |
| Hit rate | 97.5588 | 97.5588 | 97.5588 | 97.5588 | 97.5588 |
| Miss rate | 2.4412 | 2.4412 | 2.4412 | 2.4412 | 2.4412 |

**tr-blocked.ref**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **memsize=50** | **rand** | **lru** | **fifo** | **clock** | **opt** |
| Hit count | 2409879 | 2412937 | 2411664 | 2412890 | 2414448 |
| Miss count | 8281 | 5223 | 6496 | 5270 | 3712 |
| Clean evictions | 5697 | 2817 | 4182 | 2872 | 2574 |
| Dirty evictions | 2534 | 2356 | 2264 | 2348 | 1088 |
| Total references | 2418160 | 2418160 | 2418160 | 2418160 | 2418160 |
| Hit rate | 99.6575 | 99.784 | 99.7314 | 99.7821 | 99.8465 |
| Miss rate | 0.3425 | 0.216 | 0.2686 | 0.2179 | 0.1535 |
|  |  |  |  |  |  |
| **memsize=100** | **rand** | **lru** | **fifo** | **clock** | **opt** |
| Hit count | 2412957 | 2414372 | 2413819 | 2414140 | 2415148 |
| Miss count | 5203 | 3788 | 4341 | 4020 | 3012 |
| Clean evictions | 3394 | 2606 | 2760 | 2618 | 1836 |
| Dirty evictions | 1709 | 1082 | 1481 | 1302 | 1076 |
| Total references | 2418160 | 2418160 | 2418160 | 2418160 | 2418160 |
| Hit rate | 99.7848 | 99.8434 | 99.8205 | 99.8338 | 99.8754 |
| Miss rate | 0.2152 | 0.1566 | 0.1795 | 0.1662 | 0.1246 |
|  |  |  |  |  |  |
| **memsize=150** | **rand** | **lru** | **fifo** | **clock** | **opt** |
| Hit count | 2413779 | 2414389 | 2413932 | 2414215 | 2415630 |
| Miss count | 4381 | 3771 | 4228 | 3945 | 2530 |
| Clean evictions | 2762 | 2559 | 2653 | 2575 | 1300 |
| Dirty evictions | 1469 | 1062 | 1425 | 1220 | 1080 |
| Total references | 2418160 | 2418160 | 2418160 | 2418160 | 2418160 |
| Hit rate | 99.8188 | 99.8441 | 99.8252 | 99.8369 | 99.8954 |
| Miss rate | 0.1812 | 0.1559 | 0.1748 | 0.1631 | 0.1046 |
|  |  |  |  |  |  |
| **memsize=200** | **rand** | **lru** | **fifo** | **clock** | **opt** |
| Hit count | 2414305 | 2414462 | 2414982 | 2414968 | 2415880 |
| Miss count | 3855 | 3698 | 3178 | 3192 | 2280 |
| Clean evictions | 2313 | 2436 | 1878 | 1928 | 1012 |
| Dirty evictions | 1342 | 1062 | 1100 | 1064 | 1068 |
| Total references | 2418160 | 2418160 | 2418160 | 2418160 | 2418160 |
| Hit rate | 99.8406 | 99.8471 | 99.8686 | 99.868 | 99.9057 |
| Miss rate | 0.1594 | 0.1529 | 0.1314 | 0.132 | 0.0943 |