Virtual address: 1383 TLB: 0 Physical address: 103 Value: 89

Virtual address: 9158 TLB: 1 Physical address: 454 Value: 8

Virtual address: 6249 TLB: 2 Physical address: 617 Value: 0

Virtual address: 2163 TLB: 3 Physical address: 883 Value: 28

Virtual address: 7249 TLB: 4 Physical address: 1105 Value: 0

Virtual address: 7423 TLB: 4 Physical address: 1279 Value: 63

Virtual address: 5194 TLB: 5 Physical address: 1354 Value: 5

Virtual address: 6380 TLB: 2 Physical address: 748 Value: 0

Virtual address: 7977 TLB: 6 Physical address: 1577 Value: 0

Virtual address: 15565 TLB: 7 Physical address: 1997 Value: 0

Virtual address: 6330 TLB: 2 Physical address: 698 Value: 6

Virtual address: 6059 TLB: 8 Physical address: 2219 Value: -22

Virtual address: 498 TLB: 9 Physical address: 2546 Value: 0

Virtual address: 7931 TLB: 10 Physical address: 2811 Value: -66

Virtual address: 10723 TLB: 11 Physical address: 3043 Value: 120

Virtual address: 8518 TLB: 12 Physical address: 3142 Value: 8

Virtual address: 124 TLB: 13 Physical address: 3452 Value: 0

Virtual address: 8898 TLB: 14 Physical address: 3778 Value: 8

Virtual address: 2132 TLB: 3 Physical address: 852 Value: 0

Virtual address: 10232 TLB: 15 Physical address: 4088 Value: 0

Virtual address: 8987 TLB: 1 Physical address: 283 Value: -58

Virtual address: 10728 TLB: 11 Physical address: 3048 Value: 0

Virtual address: 3559 TLB: 0 Physical address: 4327 Value: 121

Virtual address: 909 TLB: 1 Physical address: 4493 Value: 0

Virtual address: 3958 TLB: 2 Physical address: 4726 Value: 3

Virtual address: 9562 TLB: 3 Physical address: 4954 Value: 9

Virtual address: 14638 TLB: 4 Physical address: 5166 Value: 14

Virtual address: 12899 TLB: 5 Physical address: 5475 Value: -104

Virtual address: 563 TLB: 6 Physical address: 5683 Value: -116

Virtual address: 6047 TLB: 8 Physical address: 2207 Value: -25

Virtual address: 1225 TLB: 7 Physical address: 6089 Value: 0

Virtual address: 1946 TLB: 8 Physical address: 6298 Value: 1

Virtual address: 15206 TLB: 9 Physical address: 6502 Value: 14

Virtual address: 7474 TLB: 10 Physical address: 6706 Value: 7

Virtual address: 4109 TLB: 11 Physical address: 6925 Value: 0

Virtual address: 6071 TLB: 12 Physical address: 2231 Value: -19

Virtual address: 14897 TLB: 13 Physical address: 7217 Value: 0

Virtual address: 9304 TLB: 14 Physical address: 7512 Value: 0

Virtual address: 12451 TLB: 15 Physical address: 7843 Value: 40

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Virtual address: 2397 TLB: 2 Physical address: 8285 Value: 0

Virtual address: 12549 TLB: 3 Physical address: 8453 Value: 0

Virtual address: 8983 TLB: 4 Physical address: 279 Value: -59

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Virtual address: 6889 TLB: 6 Physical address: 9193 Value: 0

Virtual address: 1118 TLB: 7 Physical address: 5982 Value: 1

Virtual address: 10452 TLB: 5 Physical address: 8916 Value: 0

Virtual address: 15787 TLB: 7 Physical address: 9387 Value: 106

Virtual address: 3250 TLB: 8 Physical address: 9650 Value: 3

Virtual address: 4301 TLB: 11 Physical address: 7117 Value: 0

Virtual address: 8390 TLB: 9 Physical address: 9926 Value: 8

Virtual address: 13979 TLB: 10 Physical address: 10139 Value: -90

Virtual address: 7860 TLB: 11 Physical address: 2740 Value: 0

Virtual address: 9300 TLB: 14 Physical address: 7508 Value: 0

Virtual address: 1553 TLB: 12 Physical address: 10257 Value: 0

Virtual address: 1038 TLB: 13 Physical address: 5902 Value: 1

Virtual address: 7554 TLB: 14 Physical address: 6786 Value: 7

Virtual address: 14452 TLB: 15 Physical address: 10612 Value: 0

Virtual address: 1601 TLB: 12 Physical address: 10305 Value: 0

Virtual address: 13601 TLB: 0 Physical address: 10785 Value: 0

Virtual address: 15677 TLB: 7 Physical address: 9277 Value: 0

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Virtual address: 12423 TLB: 2 Physical address: 7815 Value: 33

Virtual address: 6768 TLB: 6 Physical address: 9072 Value: 0

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Virtual address: 14204 TLB: 8 Physical address: 12156 Value: 0

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Virtual address: 13839 TLB: 0 Physical address: 9999 Value: -125

Virtual address: 149 TLB: 2 Physical address: 3477 Value: 0

Virtual address: 6065 TLB: 3 Physical address: 2225 Value: 0

Virtual address: 13803 TLB: 4 Physical address: 10987 Value: 122

Virtual address: 9457 TLB: 5 Physical address: 7665 Value: 0

Virtual address: 4275 TLB: 6 Physical address: 7091 Value: 44

Virtual address: 15877 TLB: 7 Physical address: 13829 Value: 0

Virtual address: 7663 TLB: 8 Physical address: 6895 Value: 123

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Virtual address: 10913 TLB: 12 Physical address: 11425 Value: 0

Virtual address: 570 TLB: 13 Physical address: 5690 Value: 0

Virtual address: 2789 TLB: 14 Physical address: 11749 Value: 0

Virtual address: 4042 TLB: 15 Physical address: 4810 Value: 3

Virtual address: 12299 TLB: 0 Physical address: 7691 Value: 2

Virtual address: 2763 TLB: 14 Physical address: 11723 Value: -78

Virtual address: 16336 TLB: 10 Physical address: 13008 Value: 0

Virtual address: 12616 TLB: 1 Physical address: 8520 Value: 0

Virtual address: 583 TLB: 13 Physical address: 5703 Value: -111

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Virtual address: 8362 TLB: 6 Physical address: 9898 Value: 8

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Virtual address: 6572 TLB: 5 Physical address: 8108 Value: 0

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Virtual address: 7707 TLB: 8 Physical address: 2587 Value: -122

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Virtual address: 15923 TLB: 11 Physical address: 13875 Value: -116

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Virtual address: 3811 TLB: 12 Physical address: 12515 Value: -72

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Virtual address: 5191 TLB: 15 Physical address: 1351 Value: 17

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Virtual address: 1058 TLB: 3 Physical address: 5922 Value: 1

Virtual address: 281 TLB: 1 Physical address: 2329 Value: 0

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Virtual address: 21144 TLB: 5 Physical address: 18072 Value: 0

Virtual address: 30258 TLB: 6 Physical address: 18226 Value: 29

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Virtual address: 26848 TLB: 8 Physical address: 18912 Value: 0

Virtual address: 19065 TLB: 9 Physical address: 19065 Value: 0

Virtual address: 23629 TLB: 10 Physical address: 19277 Value: 0

Virtual address: 27197 TLB: 2 Physical address: 17213 Value: 0

Virtual address: 23092 TLB: 11 Physical address: 19508 Value: 0

Virtual address: 23996 TLB: 12 Physical address: 19900 Value: 0

Virtual address: 28255 TLB: 13 Physical address: 20063 Value: -105

Virtual address: 23374 TLB: 14 Physical address: 20302 Value: 22

Virtual address: 17015 TLB: 15 Physical address: 16503 Value: -99

Virtual address: 17914 TLB: 15 Physical address: 20730 Value: 17

Virtual address: 19403 TLB: 0 Physical address: 20939 Value: -14

Virtual address: 26732 TLB: 8 Physical address: 18796 Value: 0

Virtual address: 32005 TLB: 1 Physical address: 20997 Value: 0

Virtual address: 27308 TLB: 2 Physical address: 17324 Value: 0

Virtual address: 21638 TLB: 2 Physical address: 21382 Value: 21

Virtual address: 32289 TLB: 3 Physical address: 21537 Value: 0

Virtual address: 31275 TLB: 4 Physical address: 21803 Value: -118

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Virtual address: 11609 TLB: 11 Physical address: 11097 Value: 0

Virtual address: 9683 TLB: 12 Physical address: 5075 Value: 116

Virtual address: 8273 TLB: 13 Physical address: 9809 Value: 0

Virtual address: 15789 TLB: 14 Physical address: 9389 Value: 0

Virtual address: 12204 TLB: 15 Physical address: 13740 Value: 0

Virtual address: 6022 TLB: 0 Physical address: 2182 Value: 5

Virtual address: 12949 TLB: 1 Physical address: 5525 Value: 0

Virtual address: 11392 TLB: 1 Physical address: 15744 Value: 0

Virtual address: 2284 TLB: 2 Physical address: 1004 Value: 0

Virtual address: 15639 TLB: 14 Physical address: 9239 Value: 69

Virtual address: 16356 TLB: 3 Physical address: 13028 Value: 0

Virtual address: 14469 TLB: 4 Physical address: 10629 Value: 0

Virtual address: 14065 TLB: 5 Physical address: 10225 Value: 0

Virtual address: 11148 TLB: 6 Physical address: 15244 Value: 0

Virtual address: 4876 TLB: 7 Physical address: 11788 Value: 0

Virtual address: 9574 TLB: 12 Physical address: 4966 Value: 9

Virtual address: 7665 TLB: 8 Physical address: 6897 Value: 0

Virtual address: 15228 TLB: 9 Physical address: 6524 Value: 0

Virtual address: 6080 TLB: 0 Physical address: 2240 Value: 0

Virtual address: 1660 TLB: 10 Physical address: 10364 Value: 0

Virtual address: 12987 TLB: 11 Physical address: 5563 Value: -82

Virtual address: 3106 TLB: 12 Physical address: 9506 Value: 3

Virtual address: 15612 TLB: 13 Physical address: 2044 Value: 0

Virtual address: 1508 TLB: 14 Physical address: 228 Value: 0

Virtual address: 15462 TLB: 13 Physical address: 1894 Value: 15

Virtual address: 8154 TLB: 15 Physical address: 1754 Value: 7

Virtual address: 6753 TLB: 0 Physical address: 9057 Value: 0

Virtual address: 7179 TLB: 1 Physical address: 1035 Value: 2

Virtual address: 8291 TLB: 2 Physical address: 9827 Value: 24

Virtual address: 431 TLB: 3 Physical address: 2479 Value: 107

Virtual address: 1634 TLB: 10 Physical address: 10338 Value: 1

Virtual address: 3516 TLB: 4 Physical address: 4284 Value: 0

Virtual address: 10115 TLB: 5 Physical address: 3971 Value: -32

Virtual address: 9908 TLB: 6 Physical address: 13236 Value: 0

Virtual address: 2921 TLB: 7 Physical address: 14185 Value: 0

Virtual address: 5935 TLB: 8 Physical address: 2095 Value: -53

Virtual address: 15930 TLB: 9 Physical address: 13882 Value: 15

Virtual address: 15871 TLB: 10 Physical address: 9471 Value: 127

Virtual address: 943 TLB: 11 Physical address: 4527 Value: -21

Virtual address: 1831 TLB: 12 Physical address: 6183 Value: -55

Virtual address: 15126 TLB: 13 Physical address: 6422 Value: 14

Virtual address: 915 TLB: 11 Physical address: 4499 Value: -28

Virtual address: 16300 TLB: 14 Physical address: 12972 Value: 0

Virtual address: 12807 TLB: 15 Physical address: 5383 Value: -127

Virtual address: 12063 TLB: 0 Physical address: 13599 Value: -57

Virtual address: 4792 TLB: 1 Physical address: 14776 Value: 0

Virtual address: 5997 TLB: 8 Physical address: 2157 Value: 0

Virtual address: 3345 TLB: 4 Physical address: 4113 Value: 0

Virtual address: 3636 TLB: 2 Physical address: 12340 Value: 0

Virtual address: 12077 TLB: 0 Physical address: 13613 Value: 0

Virtual address: 5005 TLB: 3 Physical address: 11917 Value: 0

Virtual address: 239 TLB: 4 Physical address: 3567 Value: 59

Virtual address: 15183 TLB: 13 Physical address: 6479 Value: -45

Virtual address: 4233 TLB: 5 Physical address: 7049 Value: 0

Virtual address: 1748 TLB: 6 Physical address: 10452 Value: 0

Virtual address: 14262 TLB: 7 Physical address: 12214 Value: 13

Virtual address: 12387 TLB: 8 Physical address: 7779 Value: 24

Virtual address: 8501 TLB: 9 Physical address: 3125 Value: 0

Virtual address: 5057 TLB: 3 Physical address: 11969 Value: 0

Virtual address: 4295 TLB: 5 Physical address: 7111 Value: 49

Virtual address: 8932 TLB: 10 Physical address: 3812 Value: 0

Virtual address: 6692 TLB: 11 Physical address: 8996 Value: 0

Virtual address: 7811 TLB: 12 Physical address: 2691 Value: -96

Virtual address: 2663 TLB: 13 Physical address: 11623 Value: -103

Virtual address: 216 TLB: 4 Physical address: 3544 Value: 0

Virtual address: 10733 TLB: 14 Physical address: 3053 Value: 0

Virtual address: 8598 TLB: 9 Physical address: 3222 Value: 8

Virtual address: 16146 TLB: 15 Physical address: 12818 Value: 15

Virtual address: 10220 TLB: 0 Physical address: 4076 Value: 0

Virtual address: 9541 TLB: 1 Physical address: 4933 Value: 0

Virtual address: 1593 TLB: 6 Physical address: 10297 Value: 0

Virtual address: 8962 TLB: 2 Physical address: 258 Value: 8

Virtual address: 10456 TLB: 3 Physical address: 8920 Value: 0

Virtual address: 1509 TLB: 4 Physical address: 229 Value: 0

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Virtual address: 6136 TLB: 6 Physical address: 2296 Value: 0

Virtual address: 6301 TLB: 7 Physical address: 669 Value: 0

Virtual address: 11383 TLB: 8 Physical address: 15735 Value: 29

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Virtual address: 9937 TLB: 9 Physical address: 13265 Value: 0

Virtual address: 7077 TLB: 10 Physical address: 12709 Value: 0

Virtual address: 14486 TLB: 11 Physical address: 10646 Value: 14

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Virtual address: 5876 TLB: 12 Physical address: 14580 Value: 0

Virtual address: 2335 TLB: 13 Physical address: 8223 Value: 71

Virtual address: 11925 TLB: 14 Physical address: 14997 Value: 0

Virtual address: 3754 TLB: 15 Physical address: 12458 Value: 3

Virtual address: 14722 TLB: 0 Physical address: 5250 Value: 14

Virtual address: 4042 TLB: 1 Physical address: 4810 Value: 3

Virtual address: 8812 TLB: 2 Physical address: 3692 Value: 0

Virtual address: 2633 TLB: 3 Physical address: 11593 Value: 0

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Virtual address: 692 TLB: 12 Physical address: 5812 Value: 0

Virtual address: 7592 TLB: 13 Physical address: 6824 Value: 0

Virtual address: 11466 TLB: 14 Physical address: 15818 Value: 11

Virtual address: 2201 TLB: 15 Physical address: 921 Value: 0

Virtual address: 12978 TLB: 4 Physical address: 5554 Value: 12

Virtual address: 1218 TLB: 0 Physical address: 6082 Value: 1

Virtual address: 8503 TLB: 1 Physical address: 3127 Value: 77

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Virtual address: 15055 TLB: 10 Physical address: 7375 Value: -77

Virtual address: 8801 TLB: 4 Physical address: 3681 Value: 0

Virtual address: 12233 TLB: 5 Physical address: 13769 Value: 0

Virtual address: 4547 TLB: 6 Physical address: 15555 Value: 112

Virtual address: 11136 TLB: 7 Physical address: 15232 Value: 0

Virtual address: 7774 TLB: 9 Physical address: 2654 Value: 7

Virtual address: 8302 TLB: 8 Physical address: 9838 Value: 8

Virtual address: 9475 TLB: 9 Physical address: 4867 Value: 64

Virtual address: 11816 TLB: 10 Physical address: 14888 Value: 0

Virtual address: 730 TLB: 12 Physical address: 5850 Value: 0

Virtual address: 12108 TLB: 5 Physical address: 13644 Value: 0

Virtual address: 8407 TLB: 8 Physical address: 9943 Value: 53

Virtual address: 16234 TLB: 11 Physical address: 12906 Value: 15

Virtual address: 6169 TLB: 12 Physical address: 537 Value: 0

Virtual address: 7661 TLB: 13 Physical address: 6893 Value: 0

Virtual address: 15570 TLB: 13 Physical address: 2002 Value: 15

Virtual address: 10963 TLB: 14 Physical address: 11475 Value: -76

Virtual address: 15513 TLB: 13 Physical address: 1945 Value: 0

Virtual address: 14668 TLB: 15 Physical address: 5196 Value: 0

Virtual address: 9593 TLB: 9 Physical address: 4985 Value: 0

Virtual address: 139 TLB: 0 Physical address: 3467 Value: 34

Virtual address: 15360 TLB: 13 Physical address: 1792 Value: 0

Virtual address: 802 TLB: 1 Physical address: 4386 Value: 0

Virtual address: 11606 TLB: 2 Physical address: 11094 Value: 11

Virtual address: 1178 TLB: 3 Physical address: 6042 Value: 1

Virtual address: 13780 TLB: 4 Physical address: 10964 Value: 0

Virtual address: 12824 TLB: 5 Physical address: 5400 Value: 0

Virtual address: 9681 TLB: 9 Physical address: 5073 Value: 0

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Virtual address: 15941 TLB: 9 Physical address: 13893 Value: 0

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Virtual address: 9607 TLB: 3 Physical address: 4999 Value: 97

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Virtual address: 9852 TLB: 5 Physical address: 13180 Value: 0

Virtual address: 9747 TLB: 5 Physical address: 13075 Value: -124

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Virtual address: 15100 TLB: 4 Physical address: 7420 Value: 0

Virtual address: 8050 TLB: 8 Physical address: 1650 Value: 7

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Virtual address: 37374 TLB: 14 Physical address: 29182 Value: 36

Virtual address: 41667 TLB: 15 Physical address: 18883 Value: -80

Virtual address: 48539 TLB: 0 Physical address: 28827 Value: 102

Virtual address: 42343 TLB: 1 Physical address: 32615 Value: 89

Virtual address: 40383 TLB: 7 Physical address: 23743 Value: 111

Virtual address: 40205 TLB: 7 Physical address: 23565 Value: 0

Virtual address: 43753 TLB: 2 Physical address: 19689 Value: 0

Virtual address: 48780 TLB: 3 Physical address: 21388 Value: 0

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Virtual address: 33296 TLB: 6 Physical address: 30736 Value: 0

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Virtual address: 44426 TLB: 10 Physical address: 26506 Value: 43

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Virtual address: 47326 TLB: 14 Physical address: 17374 Value: 46

Virtual address: 44300 TLB: 10 Physical address: 26380 Value: 0

Virtual address: 46422 TLB: 15 Physical address: 20566 Value: 45

Virtual address: 48265 TLB: 0 Physical address: 16265 Value: 0

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Virtual address: 47086 TLB: 9 Physical address: 17134 Value: 45

Virtual address: 44011 TLB: 10 Physical address: 21227 Value: -6

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Virtual address: 42020 TLB: 12 Physical address: 20772 Value: 0

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Virtual address: 39602 TLB: 12 Physical address: 26034 Value: 38

Virtual address: 42527 TLB: 13 Physical address: 25119 Value: -121

Virtual address: 45164 TLB: 14 Physical address: 24684 Value: 0

Virtual address: 38714 TLB: 15 Physical address: 31034 Value: 37

Virtual address: 46395 TLB: 0 Physical address: 20539 Value: 78

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Virtual address: 13724 TLB: 9 Physical address: 10908 Value: 0

Virtual address: 4179 TLB: 0 Physical address: 6995 Value: 20

Virtual address: 12557 TLB: 1 Physical address: 8461 Value: 0

Virtual address: 16295 TLB: 2 Physical address: 12967 Value: -23

Virtual address: 7930 TLB: 13 Physical address: 2810 Value: 7

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Virtual address: 13477 TLB: 14 Physical address: 31653 Value: 0

Virtual address: 2530 TLB: 15 Physical address: 8418 Value: 2

Virtual address: 9635 TLB: 13 Physical address: 5027 Value: 104

Virtual address: 4091 TLB: 4 Physical address: 4859 Value: -2

Virtual address: 16311 TLB: 2 Physical address: 12983 Value: -19

Virtual address: 11795 TLB: 0 Physical address: 14867 Value: -124

Virtual address: 15687 TLB: 1 Physical address: 9287 Value: 81

Virtual address: 3412 TLB: 2 Physical address: 4180 Value: 0

Virtual address: 4762 TLB: 3 Physical address: 14746 Value: 4

Virtual address: 13105 TLB: 4 Physical address: 22577 Value: 0

Virtual address: 5219 TLB: 5 Physical address: 1379 Value: 24

Virtual address: 12594 TLB: 6 Physical address: 8498 Value: 12

Virtual address: 2851 TLB: 7 Physical address: 14115 Value: -56

Virtual address: 3662 TLB: 8 Physical address: 12366 Value: 3

Virtual address: 9934 TLB: 9 Physical address: 13262 Value: 9

Virtual address: 7030 TLB: 10 Physical address: 12662 Value: 6

Virtual address: 16219 TLB: 11 Physical address: 12891 Value: -42

Virtual address: 9845 TLB: 9 Physical address: 13173 Value: 0

Virtual address: 14961 TLB: 12 Physical address: 7281 Value: 0

Virtual address: 16310 TLB: 11 Physical address: 12982 Value: 15

Virtual address: 13901 TLB: 13 Physical address: 10061 Value: 0

Virtual address: 33 TLB: 14 Physical address: 3361 Value: 0

Virtual address: 7275 TLB: 15 Physical address: 1131 Value: 26

Virtual address: 8744 TLB: 0 Physical address: 3624 Value: 0

Virtual address: 625 TLB: 1 Physical address: 5745 Value: 0

Virtual address: 12334 TLB: 2 Physical address: 7726 Value: 12

Virtual address: 4133 TLB: 3 Physical address: 6949 Value: 0

Virtual address: 12751 TLB: 6 Physical address: 8655 Value: 115

Virtual address: 4663 TLB: 4 Physical address: 14647 Value: -115

Virtual address: 13696 TLB: 5 Physical address: 10880 Value: 0

Virtual address: 2297 TLB: 6 Physical address: 1017 Value: 0

Virtual address: 1756 TLB: 7 Physical address: 10460 Value: 0

Virtual address: 16226 TLB: 11 Physical address: 12898 Value: 15

Virtual address: 11932 TLB: 8 Physical address: 15004 Value: 0

Virtual address: 5847 TLB: 9 Physical address: 14551 Value: -75

Virtual address: 16153 TLB: 11 Physical address: 12825 Value: 0

Virtual address: 7344 TLB: 15 Physical address: 1200 Value: 0

Virtual address: 5150 TLB: 10 Physical address: 1310 Value: 5

Virtual address: 3181 TLB: 11 Physical address: 9581 Value: 0

Virtual address: 12106 TLB: 12 Physical address: 13642 Value: 11

Virtual address: 1871 TLB: 13 Physical address: 6223 Value: -45

Virtual address: 8401 TLB: 14 Physical address: 9937 Value: 0

Virtual address: 8316 TLB: 14 Physical address: 9852 Value: 0

Virtual address: 4723 TLB: 4 Physical address: 14707 Value: -100

Virtual address: 12063 TLB: 12 Physical address: 13599 Value: -57

Virtual address: 1866 TLB: 13 Physical address: 6218 Value: 1

Virtual address: 11753 TLB: 15 Physical address: 11241 Value: 0

Virtual address: 11899 TLB: 8 Physical address: 14971 Value: -98

Virtual address: 11712 TLB: 15 Physical address: 11200 Value: 0

Virtual address: 10330 TLB: 0 Physical address: 8794 Value: 10

Virtual address: 11825 TLB: 8 Physical address: 14897 Value: 0

Virtual address: 9229 TLB: 1 Physical address: 18957 Value: 0

Virtual address: 10363 TLB: 0 Physical address: 8827 Value: 30

Virtual address: 2716 TLB: 2 Physical address: 11676 Value: 0

Virtual address: 1590 TLB: 7 Physical address: 10294 Value: 1

Virtual address: 10989 TLB: 3 Physical address: 11501 Value: 0

Virtual address: 15050 TLB: 4 Physical address: 7370 Value: 14

Virtual address: 5723 TLB: 9 Physical address: 14427 Value: -106

Virtual address: 7356 TLB: 5 Physical address: 1212 Value: 0

Virtual address: 3330 TLB: 6 Physical address: 4098 Value: 3

Virtual address: 3035 TLB: 7 Physical address: 14299 Value: -10

Virtual address: 9653 TLB: 8 Physical address: 5045 Value: 0

Virtual address: 5086 TLB: 9 Physical address: 11998 Value: 4

Virtual address: 2877 TLB: 7 Physical address: 14141 Value: 0

Virtual address: 5202 TLB: 10 Physical address: 1362 Value: 5

Virtual address: 10934 TLB: 3 Physical address: 11446 Value: 10

Virtual address: 2647 TLB: 2 Physical address: 11607 Value: -107

Virtual address: 12546 TLB: 10 Physical address: 8450 Value: 12

Virtual address: 16084 TLB: 11 Physical address: 14036 Value: 0

Virtual address: 5828 TLB: 12 Physical address: 14532 Value: 0

Virtual address: 8268 TLB: 14 Physical address: 9804 Value: 0

Virtual address: 1572 TLB: 13 Physical address: 10276 Value: 0

Virtual address: 14229 TLB: 14 Physical address: 12181 Value: 0

Virtual address: 200 TLB: 15 Physical address: 3528 Value: 0

Virtual address: 6295 TLB: 0 Physical address: 663 Value: 37

Virtual address: 9909 TLB: 1 Physical address: 13237 Value: 0

Virtual address: 2066 TLB: 2 Physical address: 786 Value: 2

Virtual address: 1664 TLB: 13 Physical address: 10368 Value: 0

Virtual address: 5424 TLB: 3 Physical address: 13360 Value: 0

Virtual address: 13778 TLB: 4 Physical address: 10962 Value: 13

Virtual address: 11995 TLB: 5 Physical address: 15067 Value: -74

Virtual address: 865 TLB: 6 Physical address: 4449 Value: 0

Virtual address: 6624 TLB: 7 Physical address: 21728 Value: 0

Virtual address: 5974 TLB: 8 Physical address: 2134 Value: 5

Virtual address: 3581 TLB: 9 Physical address: 4349 Value: 0

Virtual address: 8214 TLB: 10 Physical address: 9750 Value: 8

Virtual address: 579 TLB: 11 Physical address: 5699 Value: -112

Virtual address: 2248 TLB: 2 Physical address: 968 Value: 0

Virtual address: 13937 TLB: 12 Physical address: 10097 Value: 0

Virtual address: 7935 TLB: 13 Physical address: 2815 Value: -65

Virtual address: 5578 TLB: 3 Physical address: 13514 Value: 5

Virtual address: 589 TLB: 11 Physical address: 5709 Value: 0

Virtual address: 1205 TLB: 14 Physical address: 6069 Value: 0

Virtual address: 10664 TLB: 15 Physical address: 2984 Value: 0

Virtual address: 3466 TLB: 9 Physical address: 4234 Value: 3

Virtual address: 6407 TLB: 7 Physical address: 21511 Value: 65

Virtual address: 5214 TLB: 0 Physical address: 1374 Value: 5

Virtual address: 6113 TLB: 8 Physical address: 2273 Value: 0

Virtual address: 2569 TLB: 1 Physical address: 11529 Value: 0

Virtual address: 4915 TLB: 2 Physical address: 11827 Value: -52

Virtual address: 11942 TLB: 5 Physical address: 15014 Value: 11

Virtual address: 10837 TLB: 3 Physical address: 11349 Value: 0

Virtual address: 6487 TLB: 7 Physical address: 21591 Value: 85

Virtual address: 9787 TLB: 4 Physical address: 13115 Value: -114

Virtual address: 11037 TLB: 5 Physical address: 15133 Value: 0

Virtual address: 12782 TLB: 6 Physical address: 8686 Value: 12

Virtual address: 3312 TLB: 7 Physical address: 9712 Value: 0

Virtual address: 13103 TLB: 8 Physical address: 22575 Value: -53

Virtual address: 14446 TLB: 9 Physical address: 10606 Value: 14

Virtual address: 8736 TLB: 10 Physical address: 3616 Value: 0

Virtual address: 10498 TLB: 15 Physical address: 2818 Value: 10

Virtual address: 10057 TLB: 11 Physical address: 3913 Value: 0

Virtual address: 9601 TLB: 12 Physical address: 4993 Value: 0

Virtual address: 738 TLB: 13 Physical address: 5858 Value: 0

Virtual address: 16032 TLB: 14 Physical address: 13984 Value: 0

Virtual address: 13183 TLB: 8 Physical address: 22655 Value: -33

Virtual address: 8952 TLB: 10 Physical address: 3832 Value: 0

Virtual address: 227 TLB: 15 Physical address: 3555 Value: 56

Virtual address: 15431 TLB: 0 Physical address: 1863 Value: 17

Virtual address: 6505 TLB: 1 Physical address: 21609 Value: 0

Virtual address: 8163 TLB: 2 Physical address: 1763 Value: -8

Virtual address: 4625 TLB: 3 Physical address: 14609 Value: 0

Virtual address: 7094 TLB: 4 Physical address: 12726 Value: 6

Virtual address: 9368 TLB: 5 Physical address: 19096 Value: 0

Virtual address: 15289 TLB: 6 Physical address: 6585 Value: 0

Virtual address: 10561 TLB: 7 Physical address: 2881 Value: 0

Virtual address: 15775 TLB: 8 Physical address: 9375 Value: 103

Virtual address: 4120 TLB: 9 Physical address: 6936 Value: 0

Virtual address: 290 TLB: 10 Physical address: 2338 Value: 0

Virtual address: 1960 TLB: 11 Physical address: 6312 Value: 0

Virtual address: 9035 TLB: 12 Physical address: 331 Value: -46

Virtual address: 12232 TLB: 13 Physical address: 13768 Value: 0

Virtual address: 12797 TLB: 14 Physical address: 8701 Value: 0

Virtual address: 15522 TLB: 0 Physical address: 1954 Value: 15

Virtual address: 5636 TLB: 15 Physical address: 14340 Value: 0

Virtual address: 7450 TLB: 0 Physical address: 6682 Value: 7

Virtual address: 11920 TLB: 1 Physical address: 14992 Value: 0

Virtual address: 8948 TLB: 2 Physical address: 3828 Value: 0

Virtual address: 4169 TLB: 9 Physical address: 6985 Value: 0

Virtual address: 9982 TLB: 3 Physical address: 13310 Value: 9

Virtual address: 1301 TLB: 4 Physical address: 21 Value: 0

Virtual address: 14667 TLB: 5 Physical address: 5195 Value: 82

Virtual address: 3656 TLB: 6 Physical address: 12360 Value: 0

Virtual address: 10902 TLB: 7 Physical address: 11414 Value: 10

Virtual address: 15405 TLB: 8 Physical address: 1837 Value: 0

Virtual address: 3304 TLB: 9 Physical address: 9704 Value: 0

Virtual address: 7701 TLB: 10 Physical address: 2581 Value: 0

Virtual address: 7973 TLB: 11 Physical address: 1573 Value: 0

Virtual address: 3531 TLB: 12 Physical address: 4299 Value: 114

Virtual address: 6748 TLB: 13 Physical address: 9052 Value: 0

Virtual address: 14479 TLB: 14 Physical address: 10639 Value: 35

Virtual address: 11694 TLB: 15 Physical address: 11182 Value: 11

Virtual address: 11373 TLB: 0 Physical address: 15725 Value: 0

Number of Translated Addresses = 1000

Page Faults = 189

Page Fault Rate = 0.189

TLB Hits = 231

TLB Hit Rate = 0.231