**configuration:**

L1 Size 512B

L2 Size 2KB

Block Size 64B

Set Associativity 4

Write Policy write back

Allocation Policy write allocate

Max number of outstanding misses 9

L1 hit latency: 1

L2 hit latency: 4

**access-under-misses version:**

Input stream:

R 00000000110111 1

R 00000011010101 10

R 00000000101010 20

R 00010001110011 30

R 10001111101110 40

W 00000000101101 50

R 11000000111111 60

R 00011100100011 70

R 01010110100010 80

R 01110110100010 90

W 00000000110110 100

R 00100101101101 106

R 11111010010101 110

R 11111111111111 112