an URI / NEU collaboration

Levo Machine

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instruction loading

execution window (ASes)

in memory

static fetch

dynamic fetch

original program

static fetch
i1: ld %r1,(%r2)
i2: bne %r1,%r2,i6
i3: ld %r3,(%r4)
i4: ld %r4,(%r6)
i5: ld %r4,(%r5)
i6: mov %r2,%r3
i7: mov %r17,%r8

dynamic fetch
i1: ld %r1,(%r2)
i2: bne %r1,%r2,i6
i3: ld %r3,(%r4)
i6: mov %r2,%r3
i7: mov %r17,%r8

original program
i1: ld %r1,(%r2)
i2: bne %r1,%r2,i6
i3: ld %r3,(%r4)
i4: ld %r4,(%r6)
i5: ld %r4,(%r5)
i6: mov %r2,%r3
i7: mov %r17,%r8