

1. mst_ht:4000; lookahead:20; stride:10; 2 cores * 2 threads/core; L1I:32KB,2-way;
L2:32KB,2-way; L2:96KB,4-way,LRU //l2assoc: 2, l2size: 96
llc.numMTLLCHits=24830918
llc.numMTLLCMisses=21785202
llc.numTotalHTLLCRequests=26078656
llc.numUsefulHTLLCRequests=24256408
llc.numRedundantHitToTransientTagHTLLCRequests=41439
llc.numRedundantHitToCacheHTLLCRequests=549152
llc.numTimelyHTLLCRequests=24158507
llc.numLateHTLLCRequests=97901
llc.numBadHTLLCRequests=2730
llc.numUglyHTLLCRequests=230286
llc.htLLCRequestAccuracy=93.01249266833383%
llc.htLLCRequestCoverage=52.68366592740784%
2. mst_ht:4000; lookahead:20; stride:10; 2 cores * 2 threads/core; L1I:32KB,4-way;
L2:32KB,4-way; L2:96KB,8-way,LRU //l2assoc: 2->4
llc.numMTLLCHits=25808589
llc.numMTLLCMisses=20518602
llc.numTotalHTLLCRequests=25943909
llc.numUsefulHTLLCRequests=25261398
llc.numRedundantHitToTransientTagHTLLCRequests=20611
llc.numRedundantHitToCacheHTLLCRequests=518831
llc.numTimelyHTLLCRequests=24705780
llc.numLateHTLLCRequests=555618
llc.numBadHTLLCRequests=889
llc.numUglyHTLLCRequests=54911
llc.htLLCRequestAccuracy=97.36928232364676%
llc.htLLCRequestCoverage=55.1799868938401%
3. mst_ht:4000; lookahead:20; stride:10; 2 cores * 2 threads/core; L1I:32KB,4-way;
L2:32KB,4-way; L2:128KB,4-way,LRU //l2size: 96->128
llc.numMTLLCHits=9404098
llc.numMTLLCMisses=7770942
llc.numTotalHTLLCRequests=9611314
llc.numUsefulHTLLCRequests=9222956
llc.numRedundantHitToTransientTagHTLLCRequests=20763
llc.numRedundantHitToCacheHTLLCRequests=180375
llc.numTimelyHTLLCRequests=9181462
llc.numLateHTLLCRequests=41494
llc.numBadHTLLCRequests=7370
llc.numUglyHTLLCRequests=161630
llc.htLLCRequestAccuracy=95.95936622193386%
llc.htLLCRequestCoverage=54.27216286693024%
4. mst_ht:4000; lookahead:20; stride:10; 2 cores * 2 threads/core; L1I:32KB,4-way;
L2:32KB,4-way; L2:128KB,8-way,LRU //l2assoc: 4->8
llc.numMTLLCHits=25692904
llc.numMTLLCMisses=20450472
llc.numTotalHTLLCRequests=25731153
llc.numUsefulHTLLCRequests=25146212
llc.numRedundantHitToTransientTagHTLLCRequests=7885
llc.numRedundantHitToCacheHTLLCRequests=501685
llc.numTimelyHTLLCRequests=24826029
llc.numLateHTLLCRequests=320183
llc.numBadHTLLCRequests=101
llc.numUglyHTLLCRequests=646
llc.htLLCRequestAccuracy=97.72672060206553%
llc.htLLCRequestCoverage=55.149212166393504%
5. mst_ht:4000; lookahead:20; stride:10; 2 cores * 2 threads/core; L1I:32KB,4-way;
L2:32KB,4-way; L2:256KB,4-way,LRU //l2size: 128->256
llc.numMTLLCHits=9552131

```
llc.numMTLLCMisses=7515609
llc.numTotalHTLLCRequests=9583481
llc.numUsefulHTLLCRequests=9376909
llc.numRedundantHitToTransientTagHTLLCRequests=4344
llc.numRedundantHitToCacheHTLLCRequests=171896
llc.numGoodHTLLCRequests=9376909
llc.numBadHTLLCRequests=83
llc.numUglyHTLLCRequests=3724
llc.numLateHTLLCRequests=245646
llc.htLLCRequestAccuracy=97.84449930041077%
llc.htLLCRequestCoverage=55.50924379657313%
```

6. mst_ht:4000; lookahead:20; stride:10; 2 cores * 2 threads/core; L1I:32KB,4-way;
L2:32KB,4-way; L2:256KB,8-way,LRU //l2assoc: 4->8

```
llc.numMTLLCHits=25704565
llc.numMTLLCMisses=20431266
llc.numTotalHTLLCRequests=25742392
llc.numUsefulHTLLCRequests=25157835
llc.numRedundantHitToTransientTagHTLLCRequests=7901
llc.numRedundantHitToCacheHTLLCRequests=500754
llc.numTimelyHTLLCRequests=24808543
llc.numLateHTLLCRequests=349292
llc.numBadHTLLCRequests=9
llc.numUglyHTLLCRequests=129
llc.htLLCRequestAccuracy=97.72920480738541%
llc.htLLCRequestCoverage=55.18388046300803%
```

7. mst_ht:4000; lookahead:20; stride:10; 2 cores * 2 threads/core; L1I:32KB,4-way;
L2:32KB,4-way; L2:512KB,4-way,LRU //l2size: 256->512

```
llc.numMTLLCHits=9546778
llc.numMTLLCMisses=7500637
llc.numTotalHTLLCRequests=9567763
llc.numUsefulHTLLCRequests=9371544
llc.numRedundantHitToTransientTagHTLLCRequests=3322
llc.numRedundantHitToCacheHTLLCRequests=165719
llc.numGoodHTLLCRequests=9371544
llc.numBadHTLLCRequests=0
llc.numUglyHTLLCRequests=78
llc.numLateHTLLCRequests=240935
llc.htLLCRequestAccuracy=97.94916533781199%
llc.htLLCRequestCoverage=55.54435434280844%
```

8. mst_ht:4000; lookahead:20; stride:10; 2 cores * 2 threads/core; L1I:32KB,4-way;
L2:32KB,4-way; L2:1024KB,4-way,LRU //l2size: 512->1024

```
llc.numMTLLCHits=9547153
llc.numMTLLCMisses=7500136
llc.numTotalHTLLCRequests=9568417
llc.numUsefulHTLLCRequests=9371940
llc.numRedundantHitToTransientTagHTLLCRequests=3253
llc.numRedundantHitToCacheHTLLCRequests=165586
llc.numGoodHTLLCRequests=9371940
llc.numBadHTLLCRequests=0
llc.numUglyHTLLCRequests=72
llc.numLateHTLLCRequests=242083
llc.htLLCRequestAccuracy=97.9466091413031%
llc.htLLCRequestCoverage=55.54704708537349%
```

9. mst_ht:4000; lookahead:20; stride:10; 2 cores * 2 threads/core; L1I:32KB,8-way;
L2:32KB,8-way; L2:128KB,16-way,LRU //l2assoc: 4->16

```
llc.numMTLLCHits=25793549
llc.numMTLLCMisses=20347445
```

```
llc.numTotalHTLLCRequests=25763628
llc.numUsefulHTLLCRequests=25249275
llc.numRedundantHitToTransientTagHTLLCRequests=10995
llc.numRedundantHitToCacheHTLLCRequests=499603
llc.numTimelyHTLLCRequests=24783074
llc.numLateHTLLCRequests=466201
llc.numBadHTLLCRequests=0
llc.numUglyHTLLCRequests=54
llc.htLLCRequestAccuracy=98.00356921781358%
llc.htLLCRequestCoverage=55.37520023370102%
```

10. mst_ht:4000; lookahead:640; stride:320; 2 cores * 2 threads/core; L1I:32KB,2-way; L2:32KB,2-way; L2:96KB,4-way,LRU //lookahead: 640, stride: 320, l2assoc: 2

```
llc.numMTLLCHits=3230525
llc.numMTLLCMisses=44786935
llc.numTotalHTLLCRequests=34466590
llc.numUsefulHTLLCRequests=1511210
llc.numRedundantHitToTransientTagHTLLCRequests=108559
llc.numRedundantHitToCacheHTLLCRequests=1555285
llc.numTimelyHTLLCRequests=1494595
llc.numLateHTLLCRequests=16615
llc.numBadHTLLCRequests=129759
llc.numUglyHTLLCRequests=5288648
llc.htLLCRequestAccuracy=4.384564878625939%
llc.htLLCRequestCoverage=3.2640832586273163%
```

11. mst_ht:4000; lookahead:640; stride:320; 2 cores * 2 threads/core; L1I:32KB,4-way; L2:32KB,4-way; L2:96KB,8-way,LRU //l2assoc: 2->4

```
llc.numMTLLCHits=3972039
llc.numMTLLCMisses=43656103
llc.numTotalHTLLCRequests=33765716
llc.numUsefulHTLLCRequests=2262120
llc.numRedundantHitToTransientTagHTLLCRequests=6521
llc.numRedundantHitToCacheHTLLCRequests=1611693
llc.numTimelyHTLLCRequests=2255696
llc.numLateHTLLCRequests=6424
llc.numBadHTLLCRequests=21896
llc.numUglyHTLLCRequests=720854
llc.htLLCRequestAccuracy=6.699458113075405%
llc.htLLCRequestCoverage=4.926410153110672%
```