```
--------------------------------------------------------------------------
       gobmk-L2-4way       Simulation Results
--------------------------------------------------------------------------


Number of reference types:
  Number of reads   =  1922316435  [19.22%]
  Number of writes  =   915303047  [9.15%]
  Number of inst    =  7162380518  [71.62%]
  Total             = 10000000000

Total cycles for all activities:
  Cycles for reads  = 12081202027  [19.45%]
  Cycles for writes = 11808765751  [19.02%]
  Cycles for inst   = 38209645975  [61.53%]
  Total time        = 62099613753

Average cycles per activity:
  Read  = 6.28
  Write = 12.90
  Inst  = 5.33
Ideal: Exec. Time = 17162380518; CPI = 2.4
Ideal mis-aligned: Exec. Time = 25198023284; CPI = 3.52

Memory level: L1i
  Hits   = 11760551202  [96.61%]
  Misses =   412661231  [3.39%]
  Total  = 12173212433
  Kickouts = 412660975, Dirty kickouts = 0, Transfers = 412661231

Memory level: L1d
  Hits   = 3875982042  [96.13%]
  Misses =  155842197  [3.87%]
  Total  = 4031824239
  Kickouts = 155841941, Dirty kickouts = 95078017, Transfers = 155842197

Memory level: L2
  Hits   =  480211579  [72.37%]
  Misses =  183369866  [27.63%]
  Total  =  663581445
  Kickouts = 183369354, Dirty kickouts = 49331778, Transfers = 183369866

Cost analysis:
  L1i cache cost = $400
  L1d cache cost = $400
  L2  cache cost = $150
  Memory cost    = $75
  Total cost     = $1025
```