```
-------------------------------------------------------------------------------
      gobmk-All-2way     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  =  13195911623  [19.96%]
  Cycles for writes =  12253946255  [18.53%]
  Cycles for inst   =  40671067195  [61.51%]
  Total time        =  66120925073

Average cycles per activity:
  Read  = 6.86
  Write = 13.39
  Inst  = 5.68
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   =   456124049  [68.74%]
  Misses =   207457396  [31.26%]
  Total  =   663581445
  Kickouts = 207456884, Dirty kickouts = 52591470, Transfers = 207457396

Cost analysis:
  L1i cache cost = $400
  L1d cache cost = $400
  L2  cache cost = $100
  Memory cost    = $75
  Total cost     = $975
```