```
--------------------------------------------------------------------------
       gobmk-defaults      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  =  19272524246  [24.88%]
  Cycles for writes =  14663275601  [18.93%]
  Cycles for inst   =  43519641089  [56.19%]
  Total time        =  77455440936

Average cycles per activity:
  Read  = 10.03
  Write = 16.02
  Inst  = 6.08
Ideal: Exec. Time = 17162380518; CPI = 2.4
Ideal mis-aligned: Exec. Time = 25198023284; CPI = 3.52

Memory level: L1i
  Hits   =  11735764313  [96.41%]
  Misses =    437448120  [3.59%]
  Total  =  12173212433
  Kickouts = 437447864, Dirty kickouts = 0, Transfers = 437448120

Memory level: L1d
  Hits   =  3818513808  [94.71%]
  Misses =   213310431  [5.29%]
  Total  =  4031824239
  Kickouts = 213310175, Dirty kickouts = 118587278, Transfers = 213310431

Memory level: L2
  Hits   =   512333089  [66.59%]
  Misses =   257012740  [33.41%]
  Total  =   769345829
  Kickouts = 257012228, Dirty kickouts = 67734865, Transfers = 257012740

Cost analysis:
  L1i cache cost = $200
  L1d cache cost = $200
  L2  cache cost = $50
  Memory cost    = $75
  Total cost     = $525
```