```
---------------------------------------------------------------------------
      gobmk-L1d-small     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  =  22086107086  [26.44%]
  Cycles for writes =  15349814889  [18.38%]
  Cycles for inst   =  46086225153  [55.18%]
  Total time        =  83522147128

Average cycles per activity:
  Read  = 11.49
  Write = 16.77
  Inst  = 6.43
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   =  3714997049  [92.14%]
  Misses =   316827190  [7.86%]
  Total  =  4031824239
  Kickouts = 316827062, Dirty kickouts = 163593096, Transfers = 316827190

Memory level: L2
  Hits   =   645196283  [70.29%]
  Misses =   272672123  [29.71%]
  Total  =   917868406
  Kickouts = 272671611, Dirty kickouts = 75739986, Transfers = 272672123

Cost analysis:
  L1i cache cost = $200
  L1d cache cost = $100
  L2  cache cost = $50
  Memory cost    = $75
  Total cost     = $425
```