```
--------------------------------------------------------------------------
       omnetpp-mem32_L1-small      Simulation Results
--------------------------------------------------------------------------


Number of reference types:
  Number of reads   =  2009285423  [20.09%]
  Number of writes  =  1237898222  [12.38%]
  Number of inst    =  6752816355  [67.53%]
  Total             = 10000000000


Total cycles for all activities:
  Cycles for reads  = 40736192566  [43.05%]
  Cycles for writes =  9055787789  [9.57%]
  Cycles for inst   = 44831686843  [47.38%]
  Total time        = 94623667198


Average cycles per activity:
  Read  = 20.27
  Write = 7.32
  Inst  = 14.01
Ideal: Exec. Time = 16752816355; CPI = 2.48
Ideal mis-aligned: Exec. Time = 26618750504; CPI = 3.94


Memory level: L1i
  Hits   = 10791448034  [94.16%]
  Misses =   669798055  [5.84%]
  Total  = 11461246089
  Kickouts = 669797927, Dirty kickouts = 0, Transfers = 669798055


Memory level: L1d
  Hits   = 5423480899  [91.48%]
  Misses =  505410717  [8.52%]
  Total  = 5928891616
  Kickouts = 505410589, Dirty kickouts = 217210609, Transfers = 505410717


Memory level: L2
  Hits   =  992116313  [71.25%]
  Misses =  400303068  [28.75%]
  Total  = 1392419381
  Kickouts = 400302556, Dirty kickouts = 91544599, Transfers = 400303068


Cost analysis:
  L1i cache cost = $100
  L1d cache cost = $100
  L2  cache cost = $50
  Memory cost    = $175
  Total cost     = $425
```