```
--------------------------------------------------------------------------
      omnetpp-mem32_defaults     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  =  35537444002  [44.39%]
  Cycles for writes =  8428762424  [10.53%]
  Cycles for inst   =  36094136827  [45.08%]
  Total time        =  80060343253

Average cycles per activity:
  Read  = 17.69
  Write = 6.81
  Inst  = 11.86
Ideal: Exec. Time = 16752816355; CPI = 2.48
Ideal mis-aligned: Exec. Time = 26618750504; CPI = 3.94
  Ideal execution time   =  16752816355  [CPI 2.48]
  Ideal misaligned time  =  24142954060  [CPI 3.58]

Memory level: L1i
  Hits   =  11006133158  [96.03%]
  Misses =   455112931  [3.97%]
  Total  =  11461246089
  Kickouts = 455112675, Dirty kickouts = 0, Transfers = 455112931

Memory level: L1d
  Hits   =  5562301532  [93.82%]
  Misses =   366590084  [6.18%]
  Total  =  5928891616
  Kickouts = 366589828, Dirty kickouts = 162590750, Transfers = 366590084

Memory level: L2
  Hits   =   643964024  [65.42%]
  Misses =   340329741  [34.58%]
  Total  =   984293765
  Kickouts = 340329229, Dirty kickouts = 83598965, Transfers = 340329741

Cost analysis:
  L1i cache cost = $200
  L1d cache cost = $200
  L2  cache cost = $50
  Memory cost    = $175
  Total cost     = $625
```