Associativity = 4

Cache Size : 32768
Data array: Total dynamic read energy/access (nJ): 0.37676
Data array: Area (mm2): 0.902279

Cache Size : 65536
Data array: Total dynamic read energy/access (nJ): 0.405446
Data array: Area (mm2): 1.27551

Cache Size : 131072
Data array: Total dynamic read energy/access (nJ): 0.463594
Data array: Area (mm2): 2.02069

Cache Size : 262144
Data array: Total dynamic read energy/access (nJ): 0.567122
Data array: Area (mm2): 3.49898

Cache Size : 524288
Data array: Total dynamic read energy/access (nJ): 0.77507
Data array: Area (mm2): 8.33802

Cache Size : 1048576
Data array: Total dynamic read energy/access (nJ): 1.17925
Data array: Area (mm2): 18.0265

Cache Size : 2097152
Data array: Total dynamic read energy/access (nJ): 1.71865
Data array: Area (mm2): 31.8043

Cache Size : 4194304
Data array: Total dynamic read energy/access (nJ): 2.51737
Data array: Area (mm2): 64.983

Cache Size : 8388608
Data array: Total dynamic read energy/access (nJ): 3.92739
Data array: Area (mm2): 116.672

Cache Size : 16777216
Data array: Total dynamic read energy/access (nJ): 5.29557
Data array: Area (mm2): 226.253

Cache Size : 33554432
Data array: Total dynamic read energy/access (nJ): 8.15255

Data array: Area (mm2): 428.905

Cache Size : 67108864
Data array: Total dynamic read energy/access (nJ): 11.0719
Data array: Area (mm2): 861.726

Cache Size : 134217728
Data array: Total dynamic read energy/access (nJ): 15.5727
Data array: Area (mm2): 1681.97

Cache Size : 1073741824
Data array: Total dynamic read energy/access (nJ): 42.3168
Data array: Area (mm2): 12801.8

Cache Size = 128KB

Associativity : 1
Data array: Total dynamic read energy/access (nJ): 0.278891
Data array: Area (mm2): 1.77945

Associativity : 2
Data array: Total dynamic read energy/access (nJ): 0.286158
Data array: Area (mm2): 1.78124

Associativity : 4
Data array: Total dynamic read energy/access (nJ): 0.463594
Data array: Area (mm2): 2.02069

Associativity : 8
Data array: Total dynamic read energy/access (nJ): 0.80524
Data array: Area (mm2): 2.53908

Associativity : 16
Data array: Total dynamic read energy/access (nJ): 1.83705
Data array: Area (mm2): 7.30267

Associativity : 32
Data array: Total dynamic read energy/access (nJ): 4.14432
Data array: Area (mm2): 15.3807

Associativity : 64

Data array: Total dynamic read energy/access (nJ): 8.73239
Data array: Area (mm2): 32.8221

Associativity = 4

Cache Size : 65536
Access time (ns): 1.51102

Cache Size : 131072
Access time (ns): 1.59863

Cache Size : 262144
Access time (ns): 1.96104

Cache Size : 524288
Access time (ns): 2.62333

Cache Size : 1048576
Access time (ns): 3.608

Cache Size : 2097152
Access time (ns): 5.0595

Cache Size : 524288

Associativity : 1
Access time (ns): 2.61526

Associativity : 2
Access time (ns): 2.61812

Associativity : 4
Access time (ns): 2.62333

Associativity : 8
Access time (ns): 3.13704

Associativity : 16
Access time (ns): 4.92534

Associativity : 32
Access time (ns): 8.66277

Associativity : 64
Access time (ns): 15.3001