base

Legend: 12, 24, 48

ImplTaskRegion9: 48.6, 89.1, 94.4
ImplTaskRegion14: 34.3, 35.5
ImplTaskRegion21: 22.2, 23.1

tsan-noread

ImplTaskRegion9: 1007.0, 1467.4, 2106.7
ImplTaskRegion11: 296.1
ImplTaskRegion14: 564.0, 809.4, 935.4

archer-noread

ImplTaskRegion9: 1076.2, 1445.3, 1595.6
ImplTaskRegion14: 636.9, 839.2, 907.3
ImplTaskRegion21: 202.8

tsan-sampling

ImplTaskRegion9: 2154.5, 2718.5, 7156.9
ImplTaskRegion11: 319.5
ImplTaskRegion14: 1219.0, 1509.4, 3869.6

archer-sampling

ImplTaskRegion9: 1256.9, 2047.7, 8303.2
ImplTaskRegion14: 733.4, 1160.6, 2434.8
ImplTaskRegion21: 235.1

tsan

ImplTaskRegion9: 9342.2, 20151.7, 63802.9
ImplTaskRegion11: 307.4
ImplTaskRegion14: 5149.3, 11185.0, 37705.9

archer

ImplTaskRegion9: 7378.2, 22375.1, 56674.8
ImplTaskRegion11: 192.4
ImplTaskRegion14: 4114.9, 12606.8, 31402.5

X-axis labels: ImplTaskRegion1, ImplTaskRegion2, ImplTaskRegion3, ImplTaskRegion4, ImplTaskRegion5, ImplTaskRegion6, ImplTaskRegion7, ImplTaskRegion8, ImplTaskRegion9, ImplTaskRegion10, ImplTaskRegion11, ImplTaskRegion12, ImplTaskRegion13, ImplTaskRegion14, ImplTaskRegion15, ImplTaskRegion16, ImplTaskRegion17, ImplTaskRegion18, ImplTaskRegion19, ImplTaskRegion20, ImplTaskRegion21

Y-axis label (all subplots): Execution time [s]

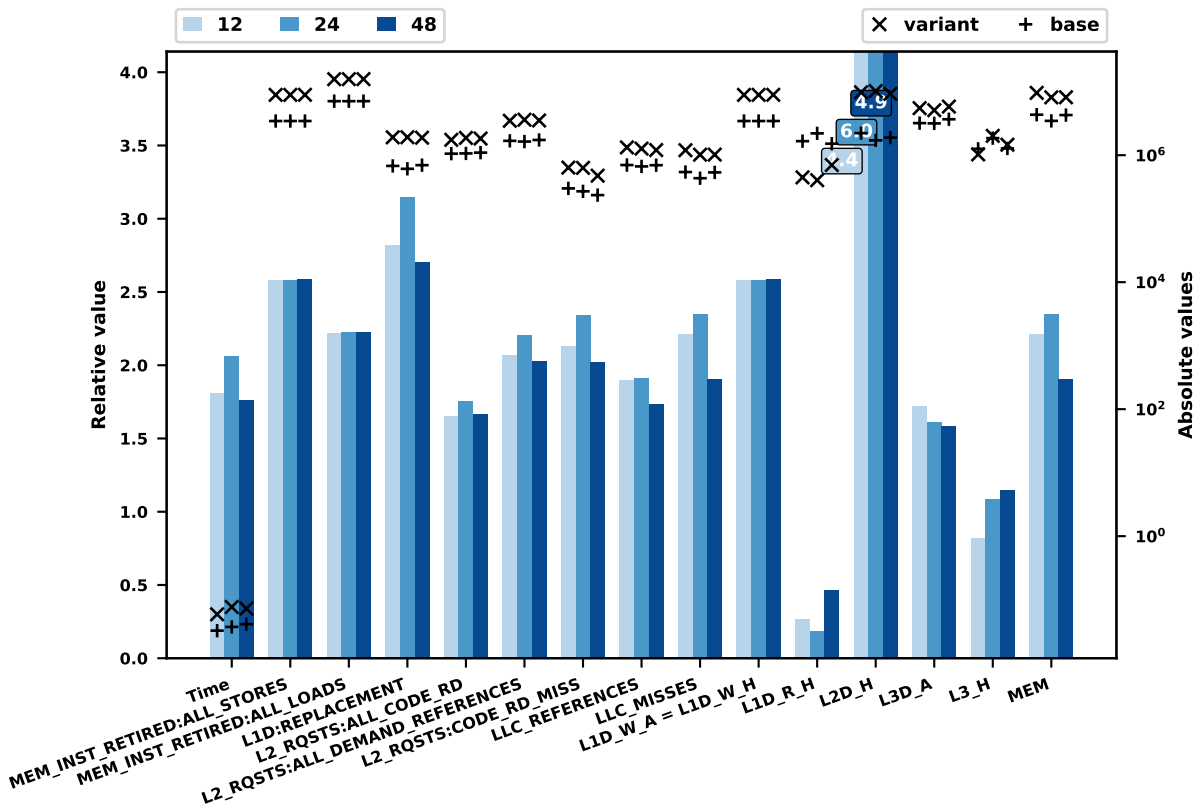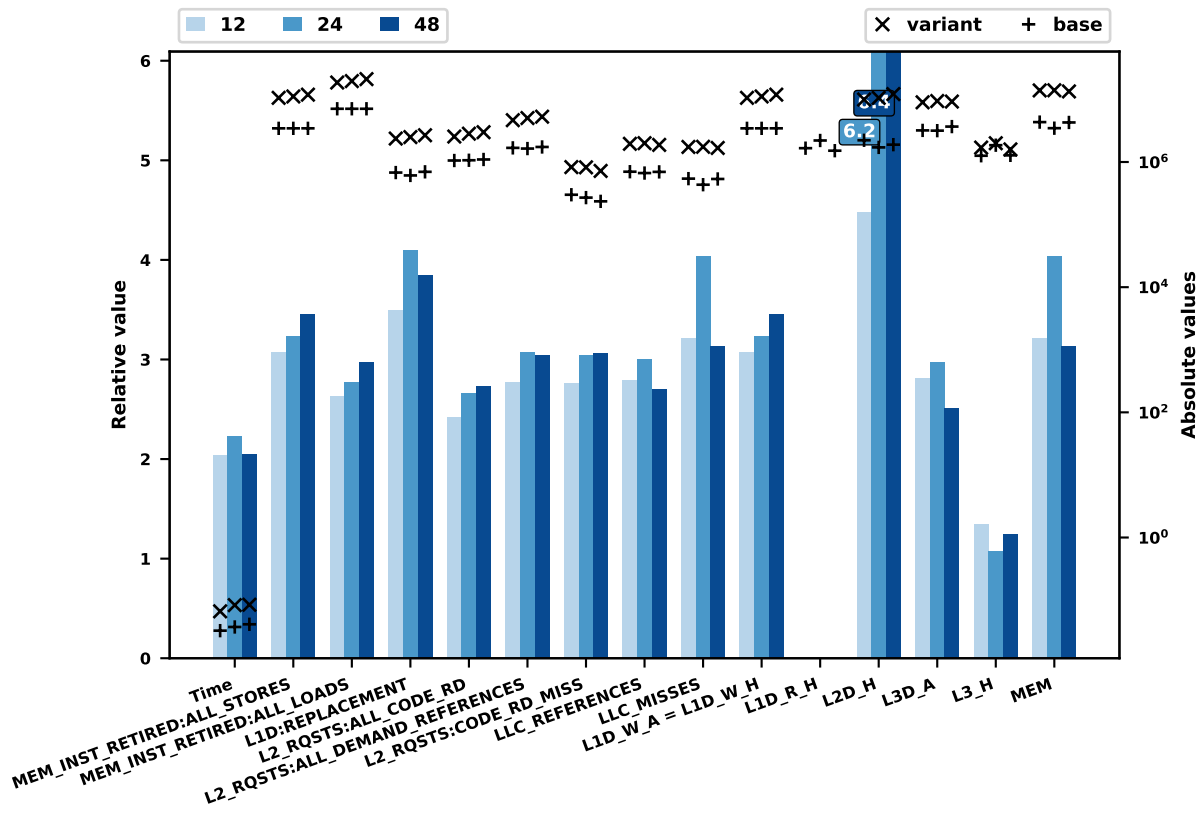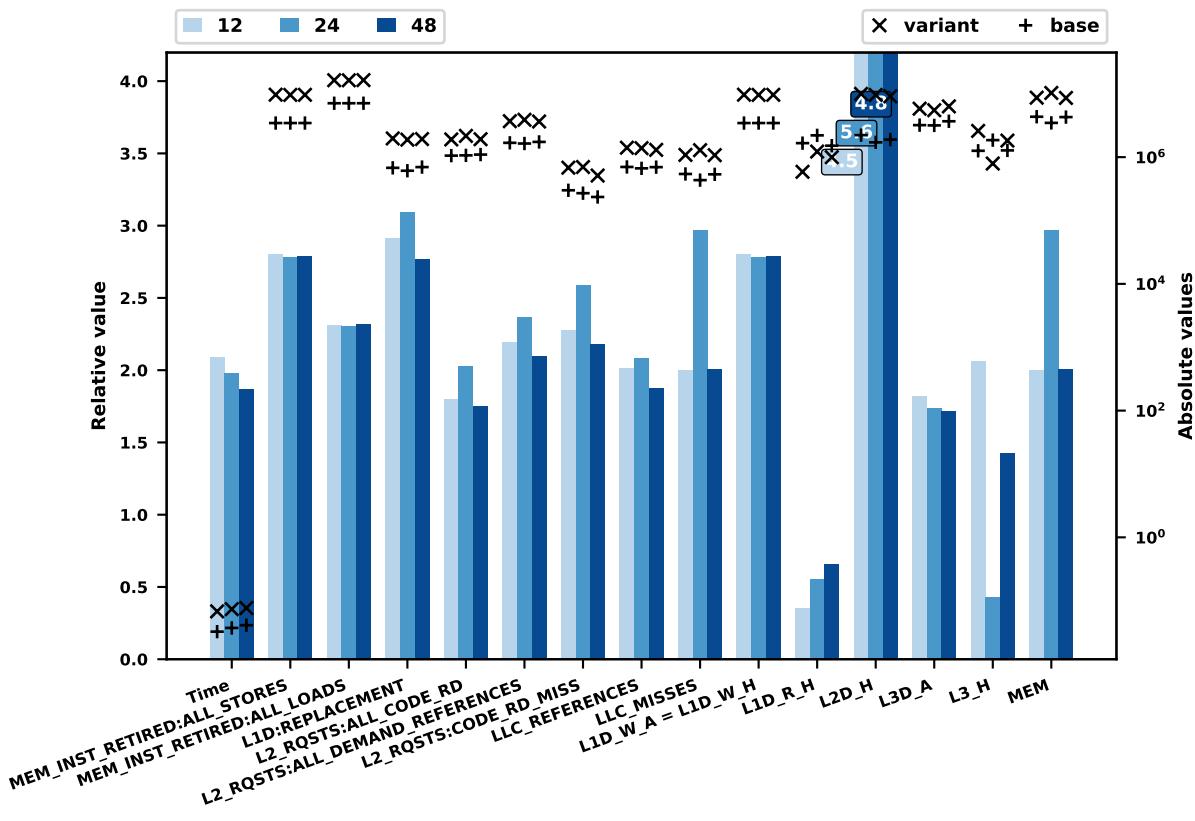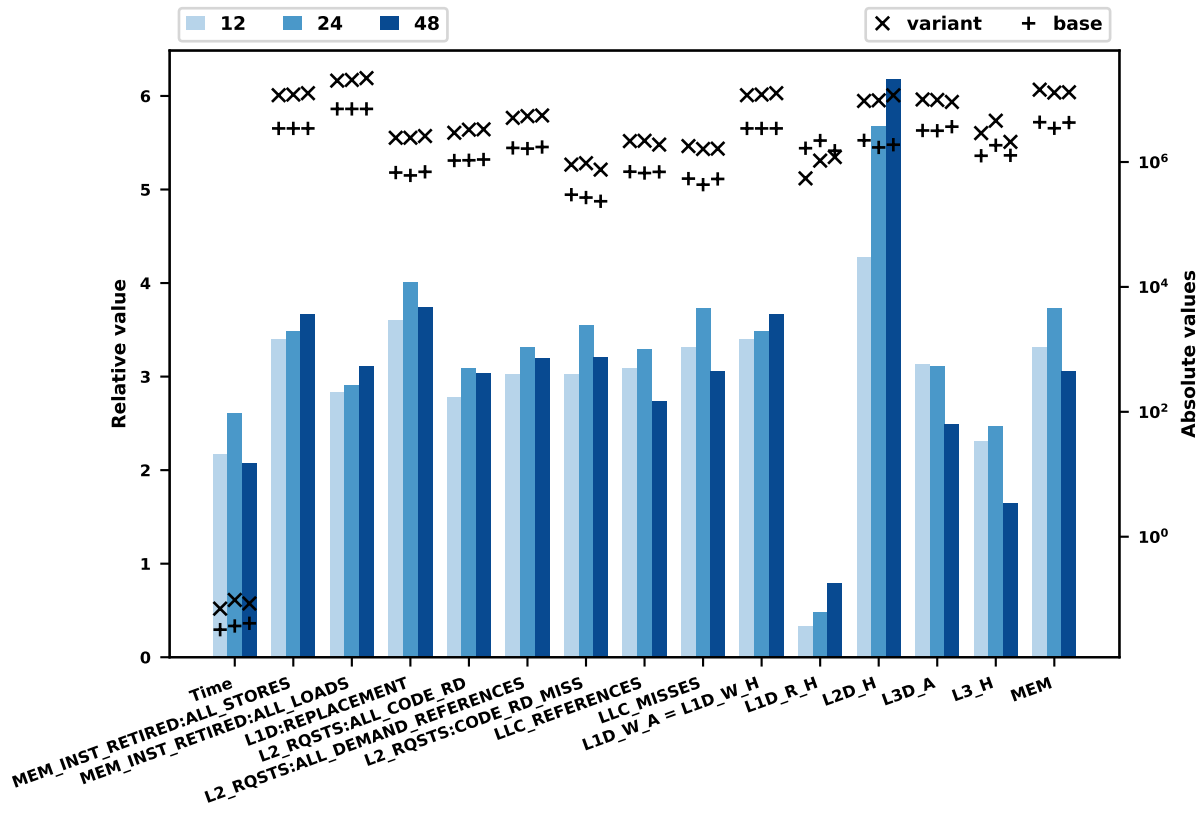**A. Comparing 370.mgrid331-tsan-noread variant with base for region ImplTaskRegion1**

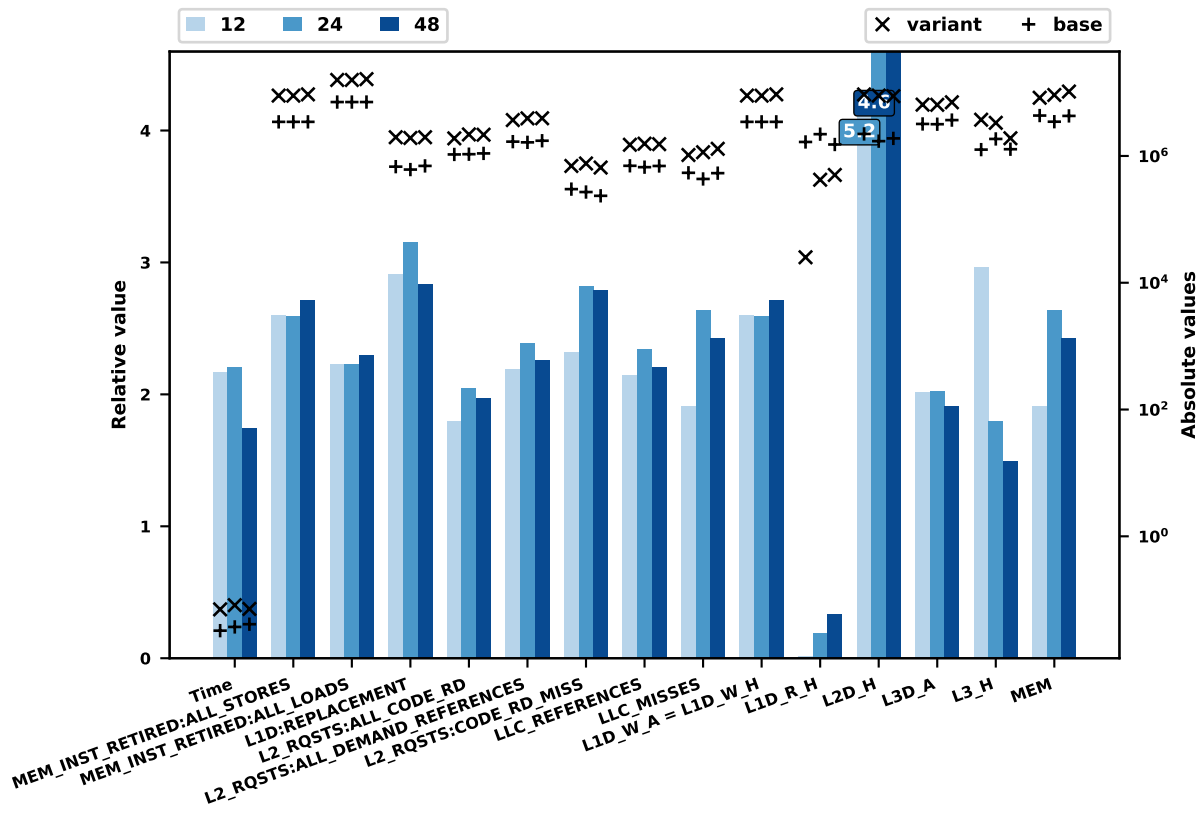A. Comparing 370.mgrid331-archer-noread variant with base for region ImplTaskRegion1

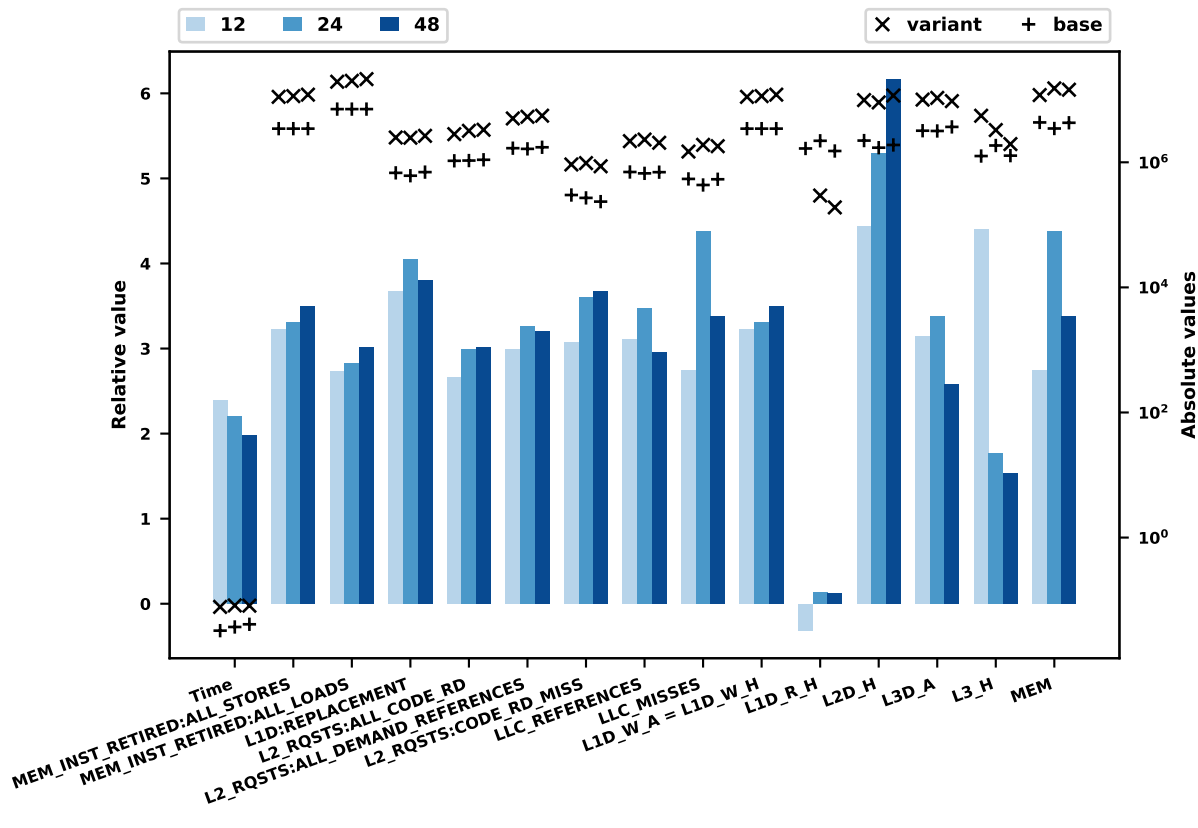**A. Comparing 370.mgrid331-tsan-sampling variant with base for region ImplTaskRegion1**

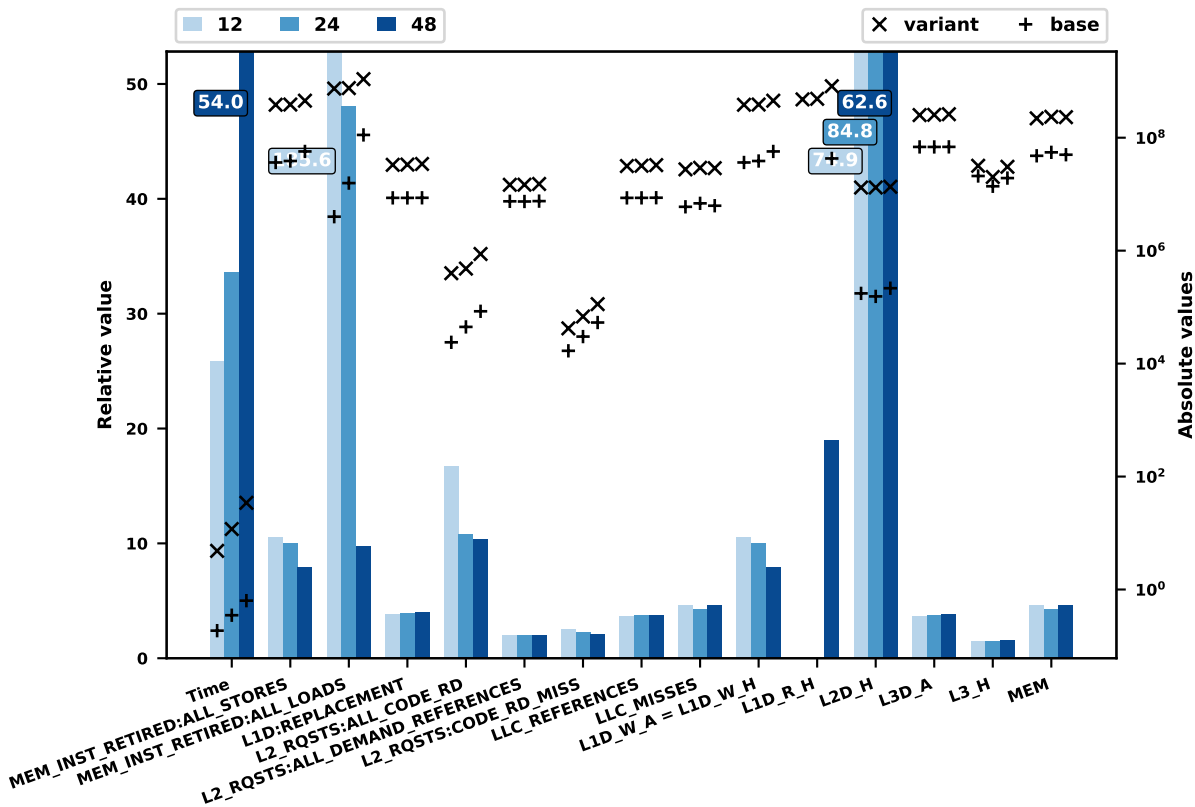**A. Comparing 370.mgrid331-archer-sampling variant with base for region ImplTaskRegion1**

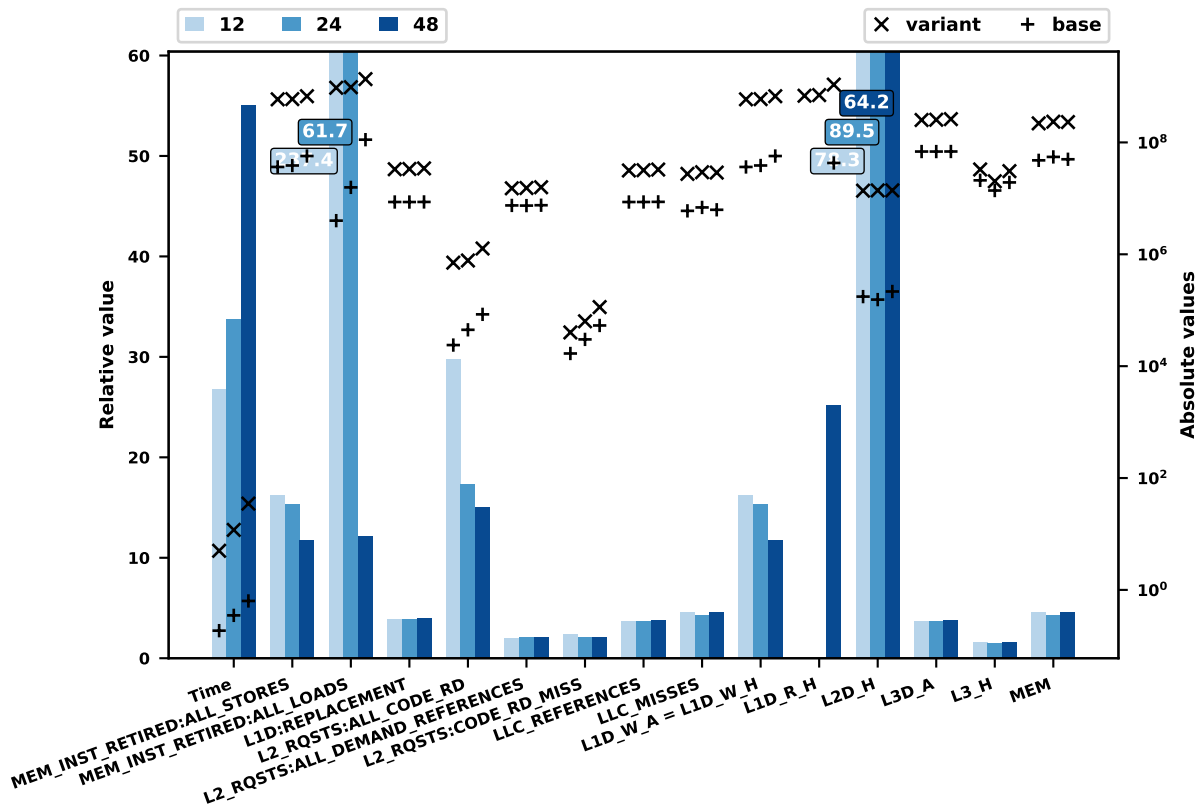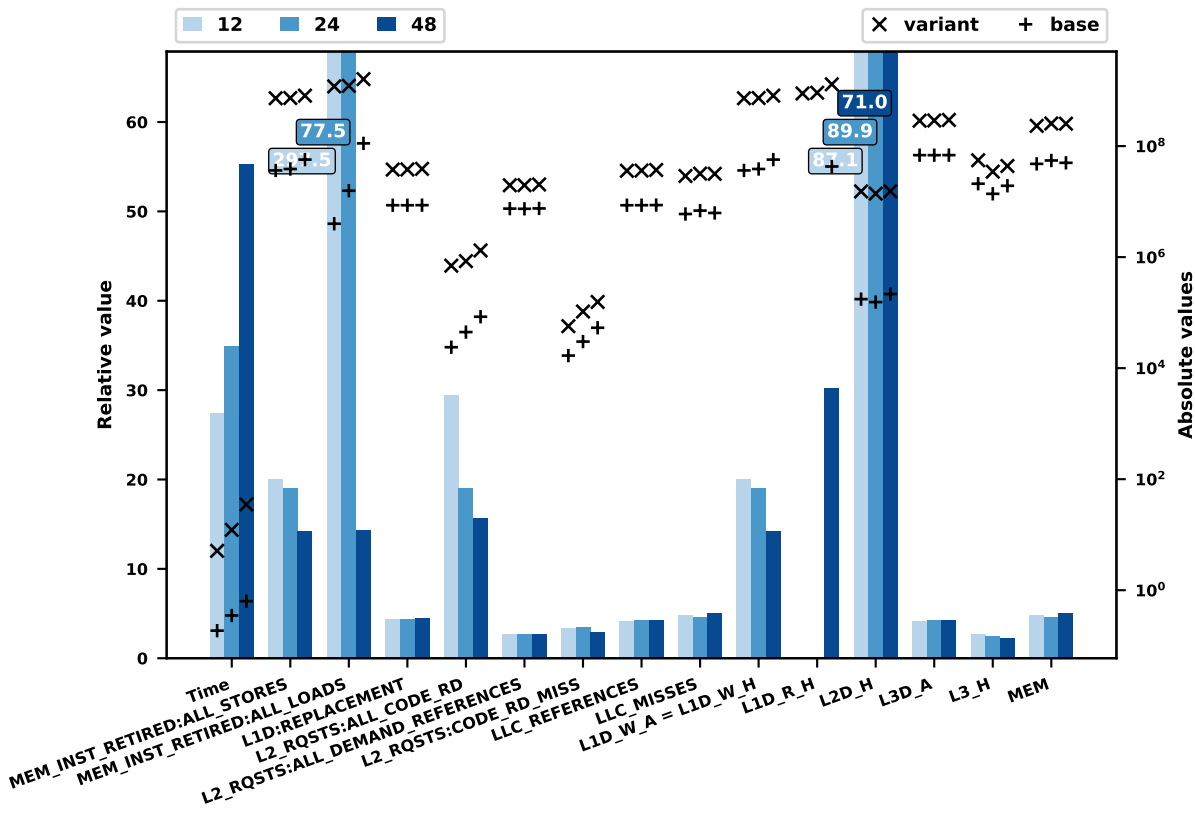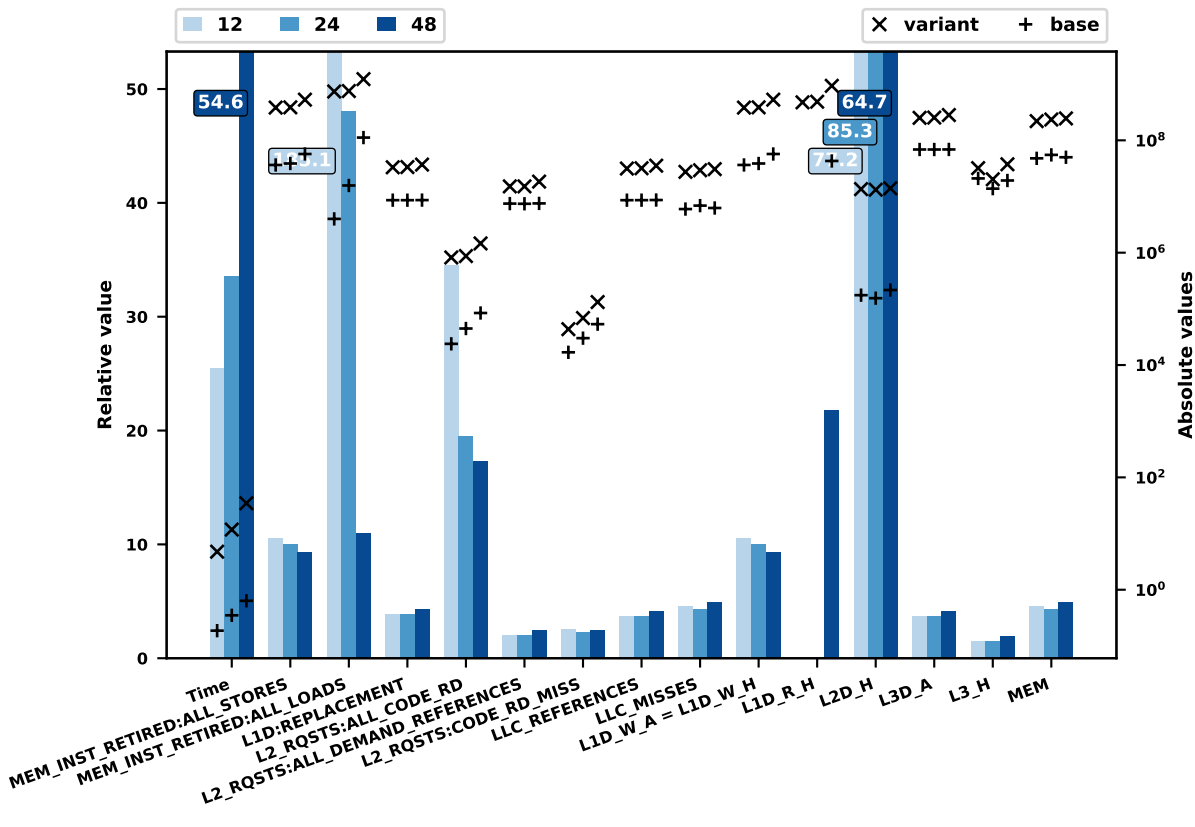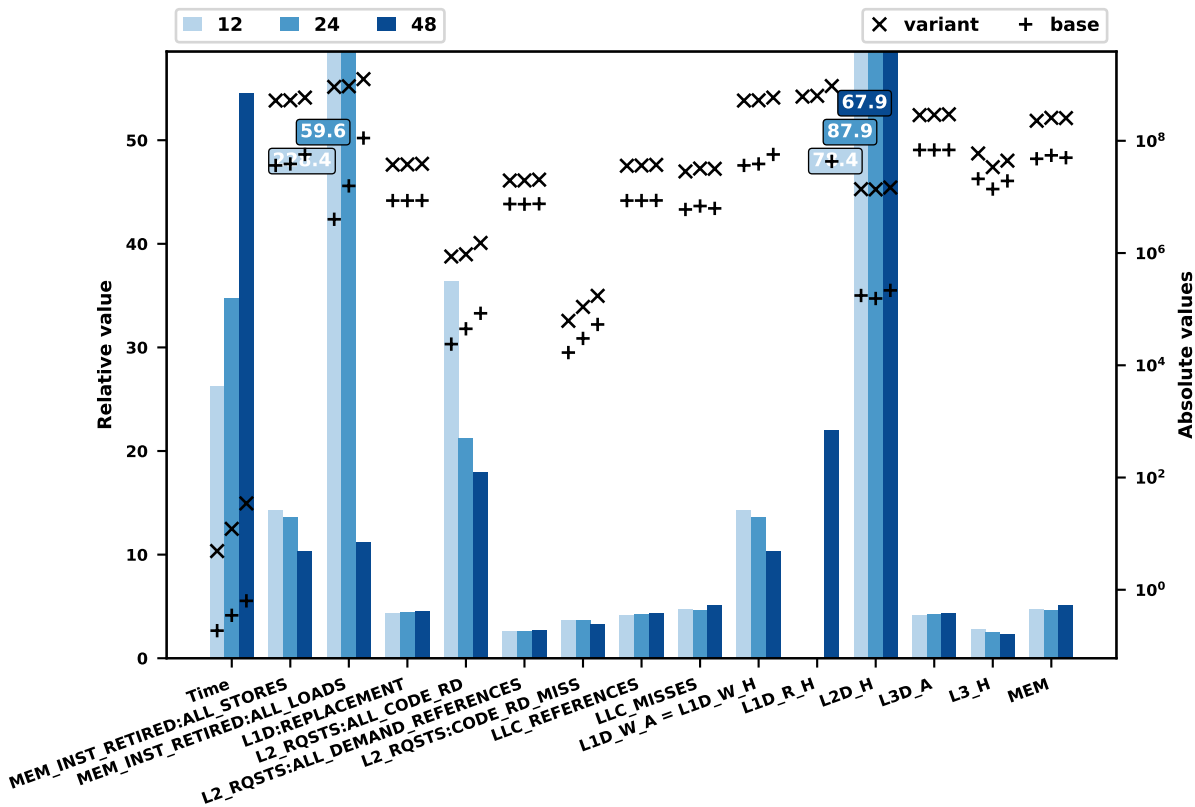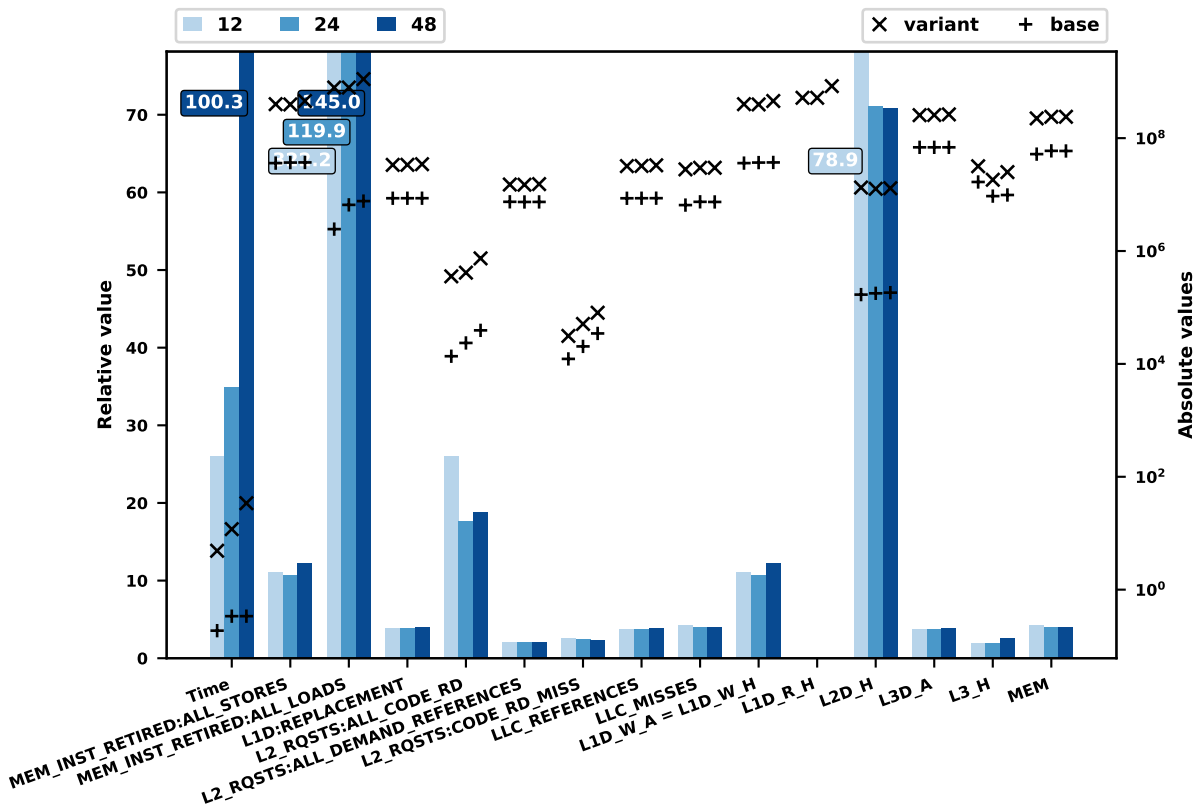**A. Comparing 370.mgrid331-tsan variant with base for region ImplTaskRegion1**

Legend: 12, 24, 48 | × variant + base

Relative value (left axis): 0, 1, 2, 3, 4

Absolute values (right axis): 10^0, 10^2, 10^4, 10^6

X-axis categories: Time, MEM_INST_RETIRED:ALL_STORES, MEM_INST_RETIRED:ALL_LOADS, L1D:REPLACEMENT, L2_RQSTS:ALL_CODE_RD, L2_RQSTS:ALL_DEMAND_REFERENCES, L2_RQSTS:CODE_RD_MISS, LLC_REFERENCES, LLC_MISSES, L1D_W_A = L1D_W_H, L1D_R_H, L2D_H, L3D_A, L3_H, MEM

A. Comparing 370.mgrid331-archer variant with base for region ImplTaskRegion1

Legend: 12, 24, 48; × variant, + base

Y-axis (left): Relative value

Y-axis (right): Absolute values

X-axis categories: Time, MEM_INST_RETIRED:ALL_STORES, MEM_INST_RETIRED:ALL_LOADS, L1D:REPLACEMENT, L2_RQSTS:ALL_CODE_RD, L2_RQSTS:ALL_DEMAND_REFERENCES, L2_RQSTS:CODE_RD_MISS, LLC_REFERENCES, LLC_MISSES, L1D_W_A = L1D_W_H, L1D_R_H, L2D_H, L3D_A, L3_H, MEM
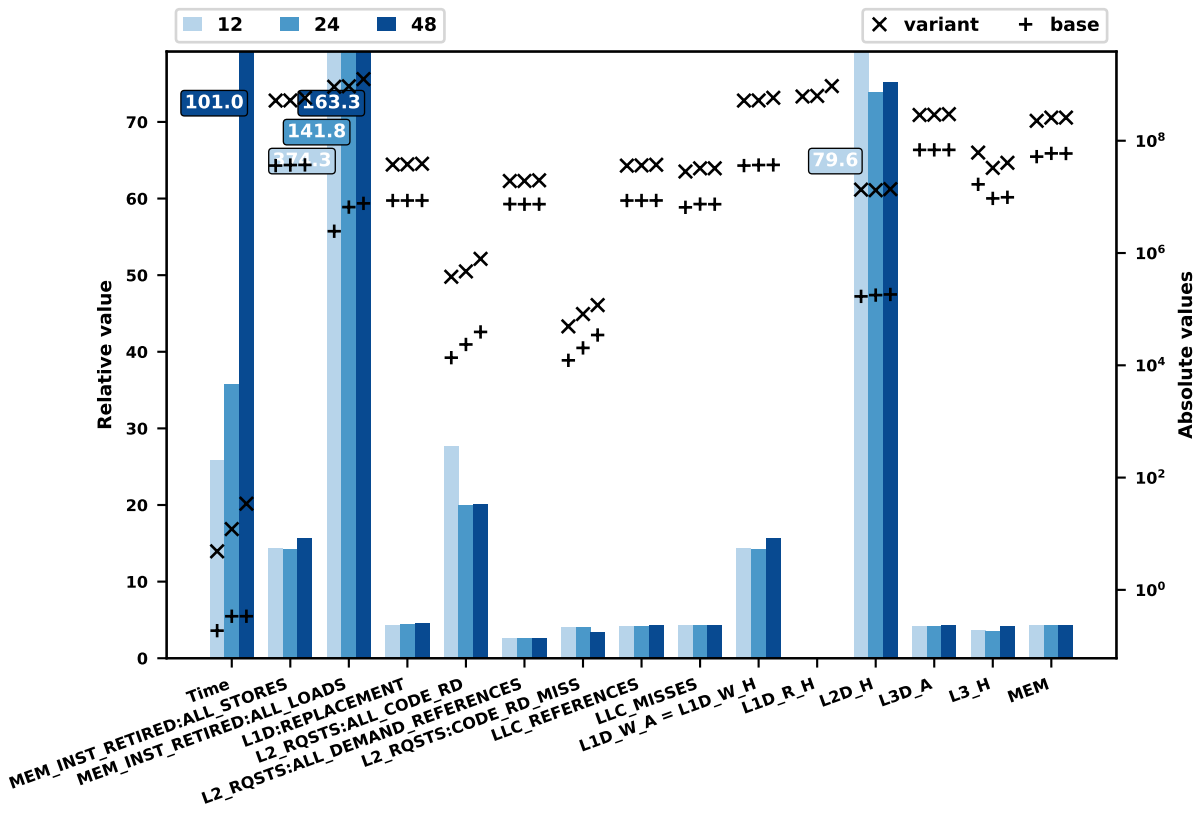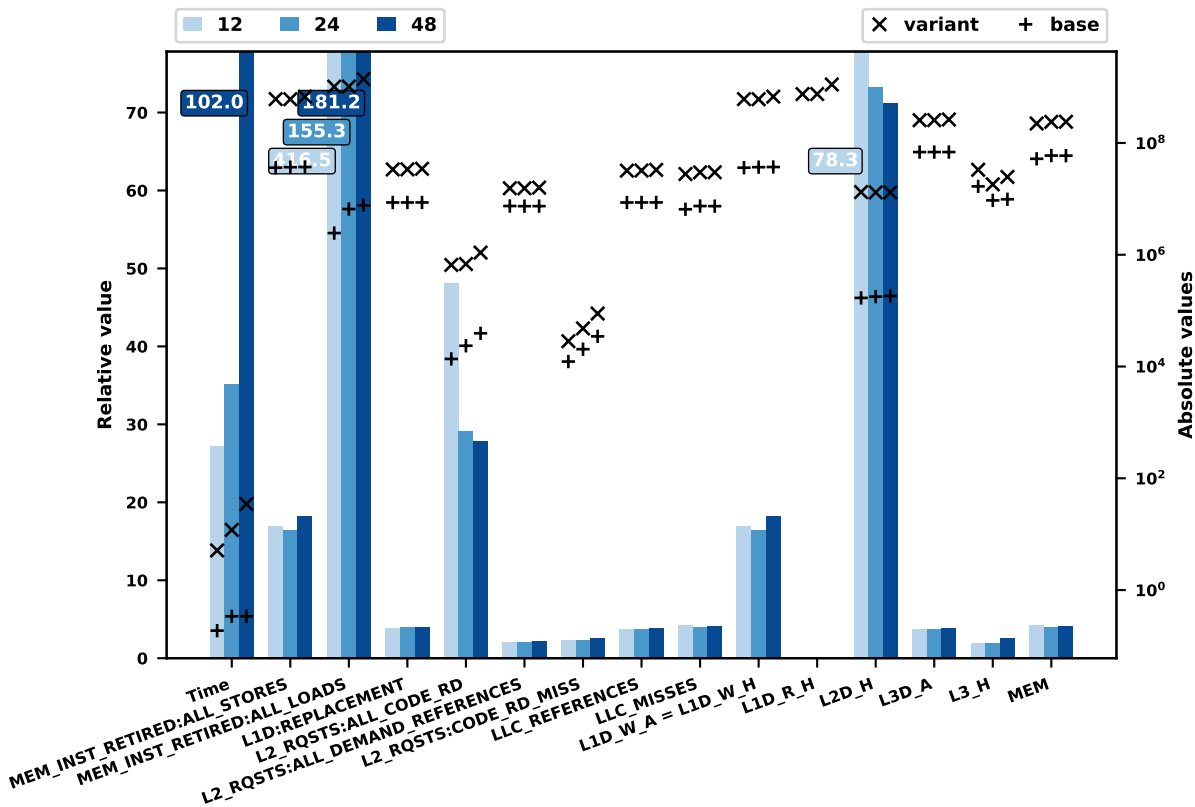
A. Comparing 370.mgrid331-tsan-noread variant with base for region ImplTaskRegion2
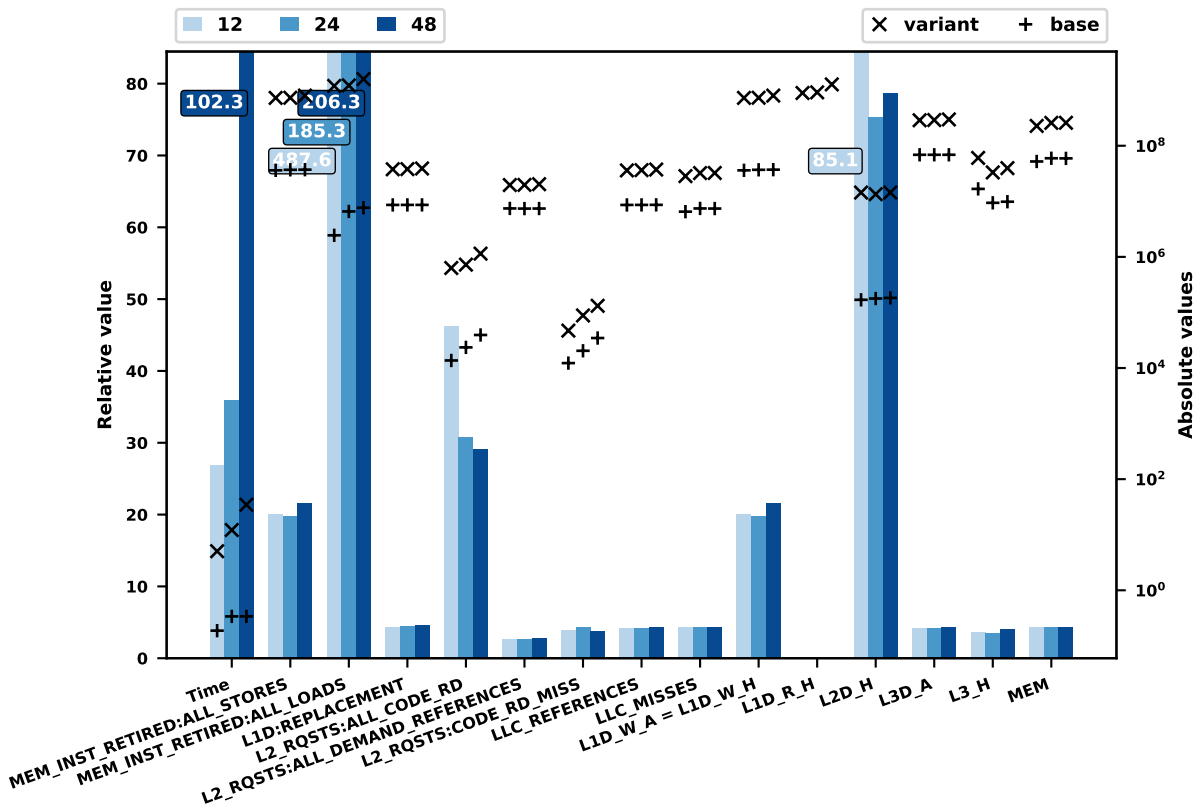
A. Comparing 370.mgrid331-archer-noread variant with base for region ImplTaskRegion2
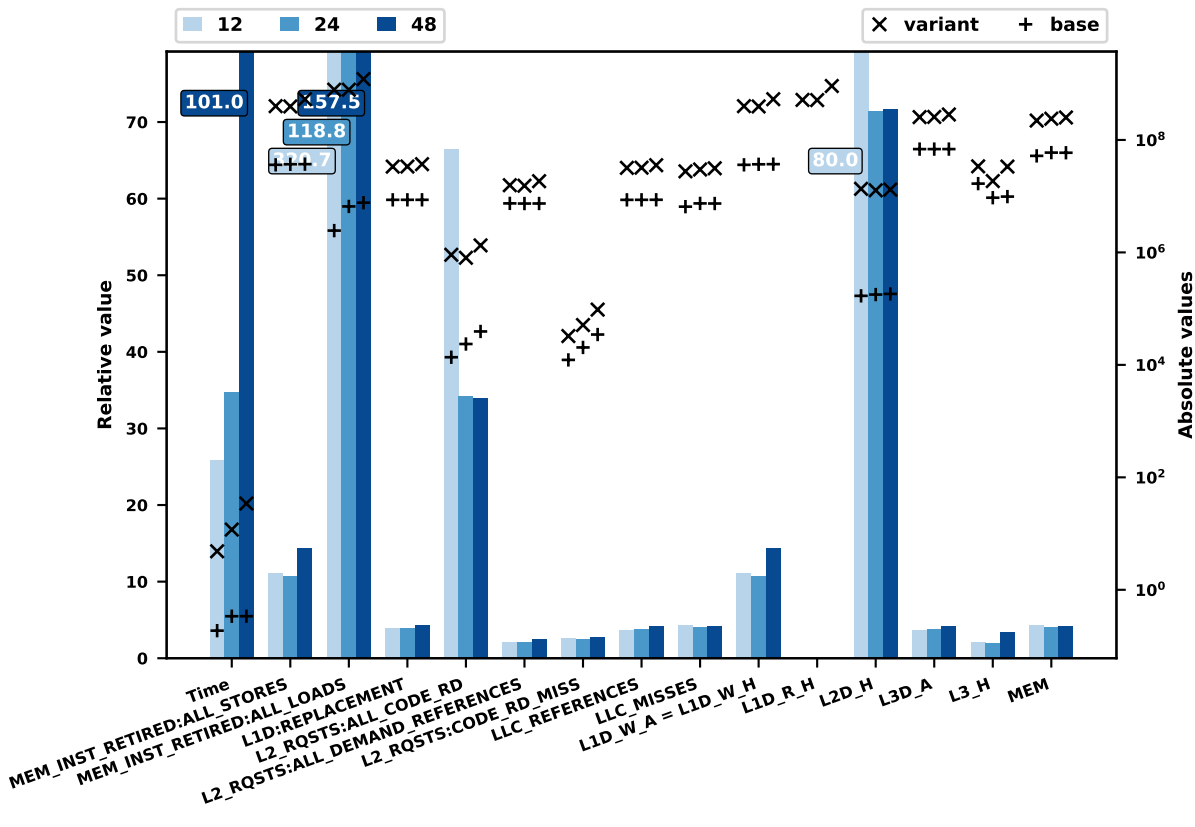
A. Comparing 370.mgrid331-tsan-sampling variant with base for region ImplTaskRegion2
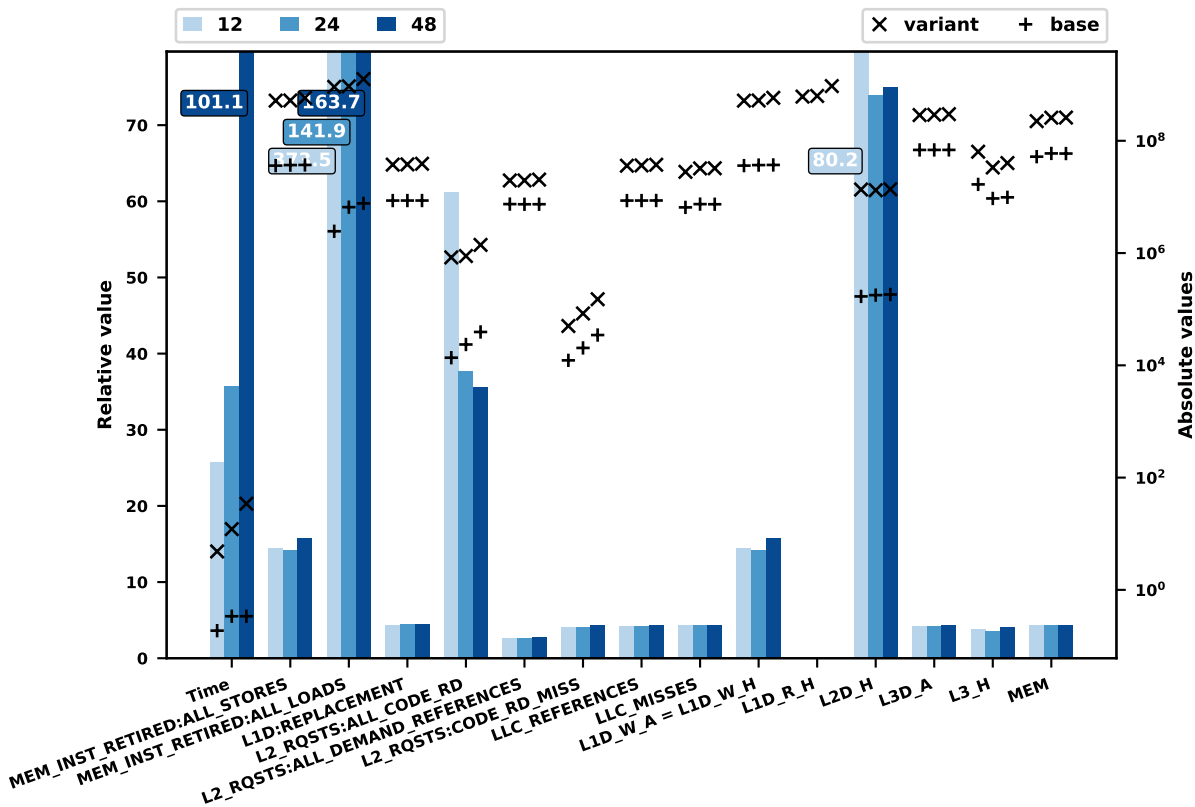
A. Comparing 370.mgrid331-archer-sampling variant with base for region ImplTaskRegion2

Legend: 12, 24, 48 · × variant + base

Relative value (left axis): 0, 10, 20, 30, 40, 50, 60

Absolute values (right axis): 10^0, 10^2, 10^4, 10^6, 10^8

Annotated values: 77.5, 89.5, 71.0, 89.9, 87.1

X-axis categories:
- Time
- MEM_INST_RETIRED:ALL_STORES
- MEM_INST_RETIRED:ALL_LOADS
- L1D:REPLACEMENT
- L2_RQSTS:ALL_CODE_RD
- L2_RQSTS:ALL_DEMAND_REFERENCES
- L2_RQSTS:CODE_RD_MISS
- LLC_REFERENCES
- LLC_MISSES
- L1D_W_A = L1D_W_H
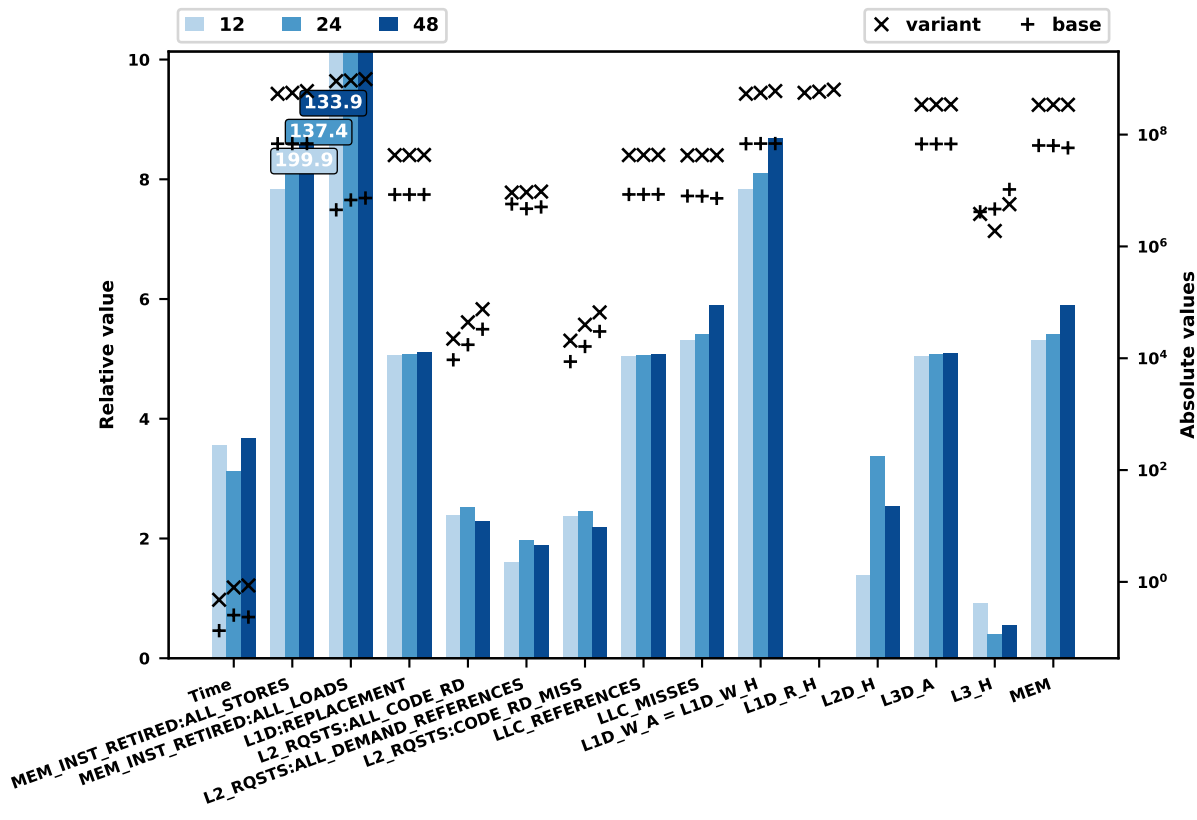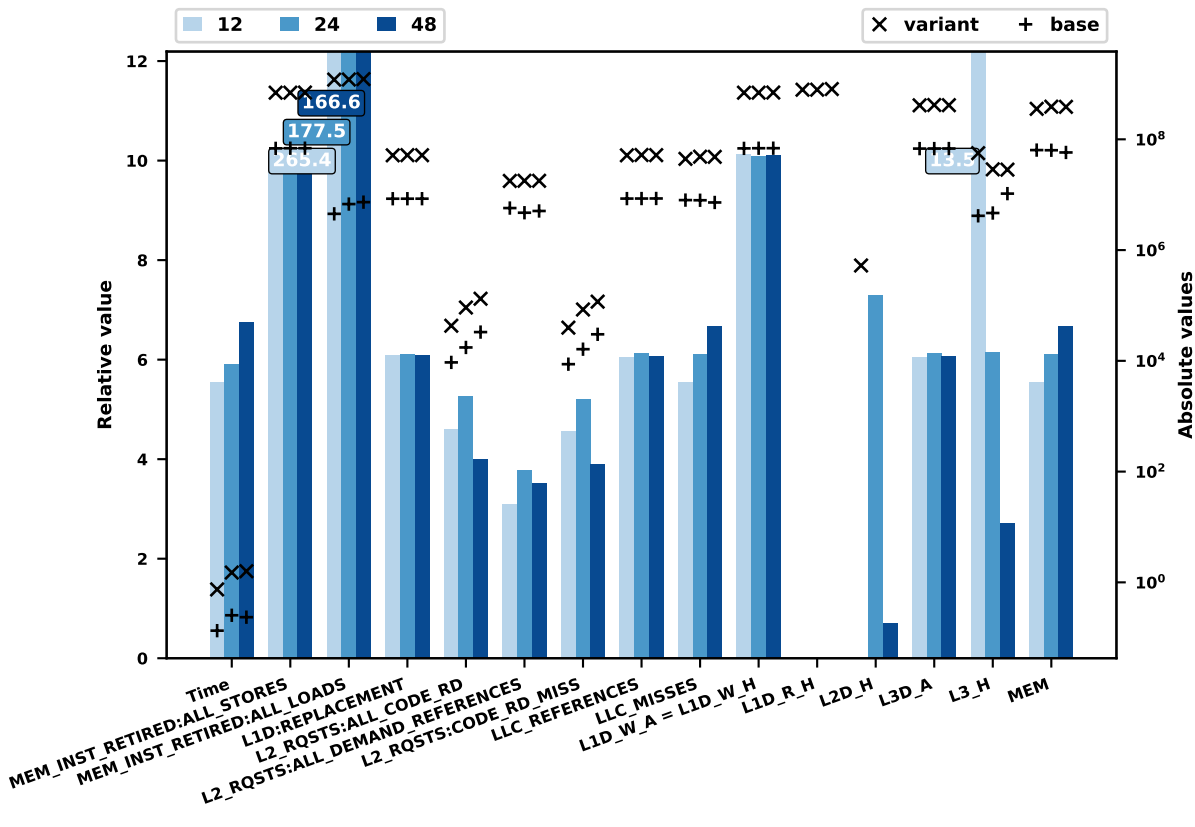- L1D_R_H
- L2D_H
- L3D_A
- L3_H
- MEM

A. Comparing 370.mgrid331-tsan variant with base for region ImplTaskRegion2

A. Comparing 370.mgrid331-archer variant with base for region ImplTaskRegion2

Legend: 12, 24, 48 | × variant, + base

Y-axis (left): Relative value
Y-axis (right): Absolute values

X-axis categories:
Time, MEM_INST_RETIRED:ALL_STORES, MEM_INST_RETIRED:ALL_LOADS, L1D:REPLACEMENT, L2_RQSTS:ALL_CODE_RD, L2_RQSTS:ALL_DEMAND_REFERENCES, L2_RQSTS:CODE_RD_MISS, LLC_REFERENCES, LLC_MISSES, L1D_W_A = L1D_W_H, L1D_R_H, L2D_H, L3D_A, L3_H, MEM
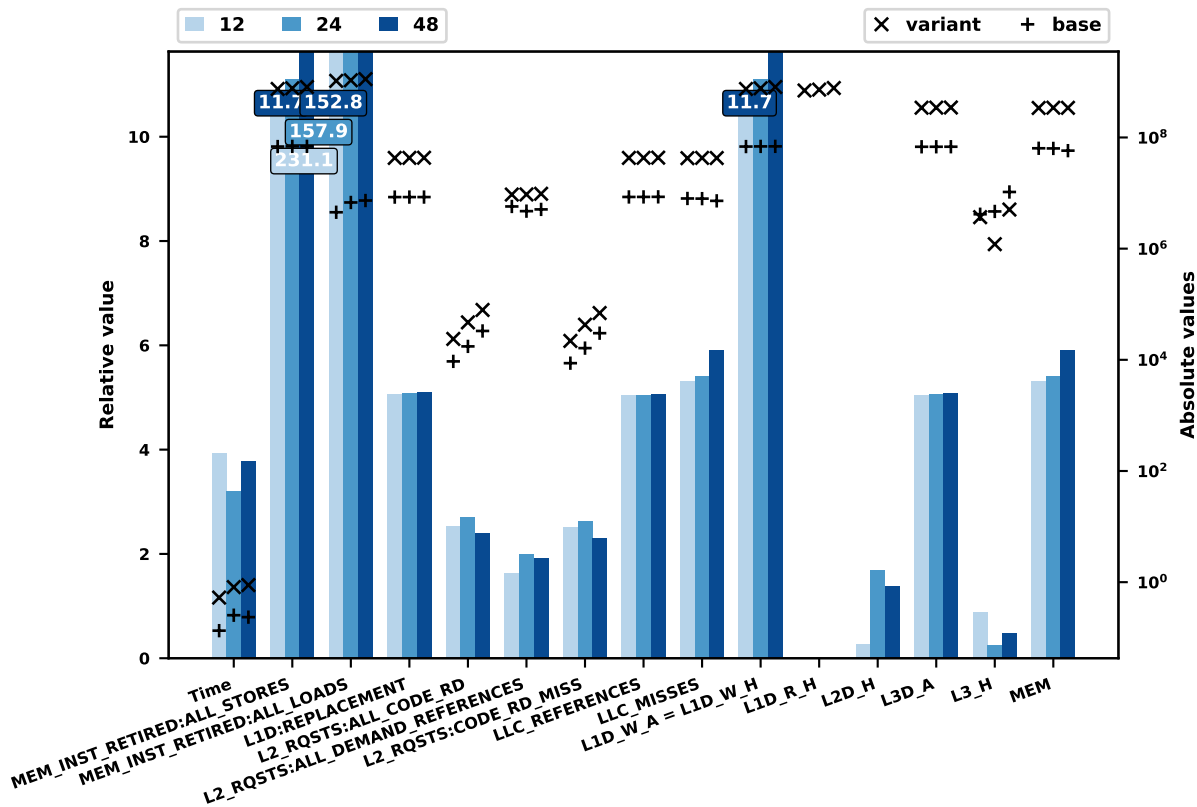
Labeled values: 59.6, 45.4, 67.9, 87.9, 75.4

A. Comparing 370.mgrid331-tsan-noread variant with base for region ImplTaskRegion3

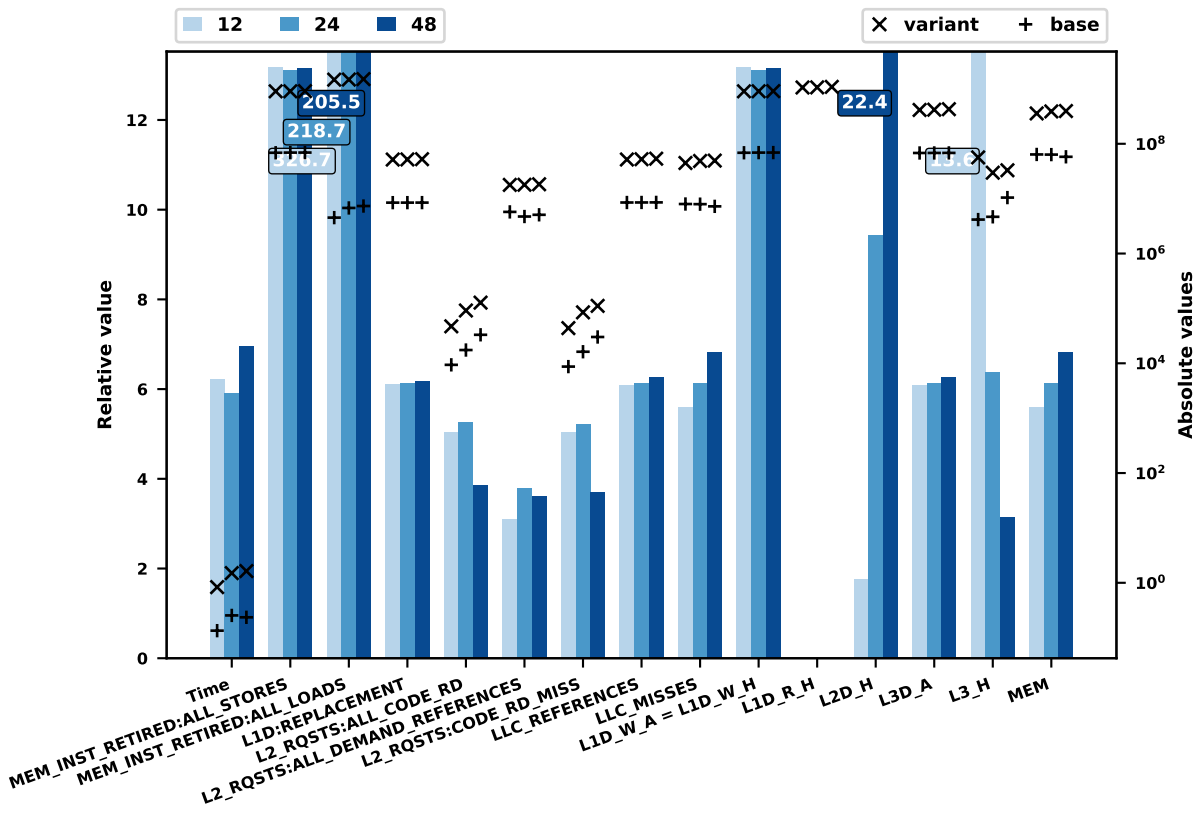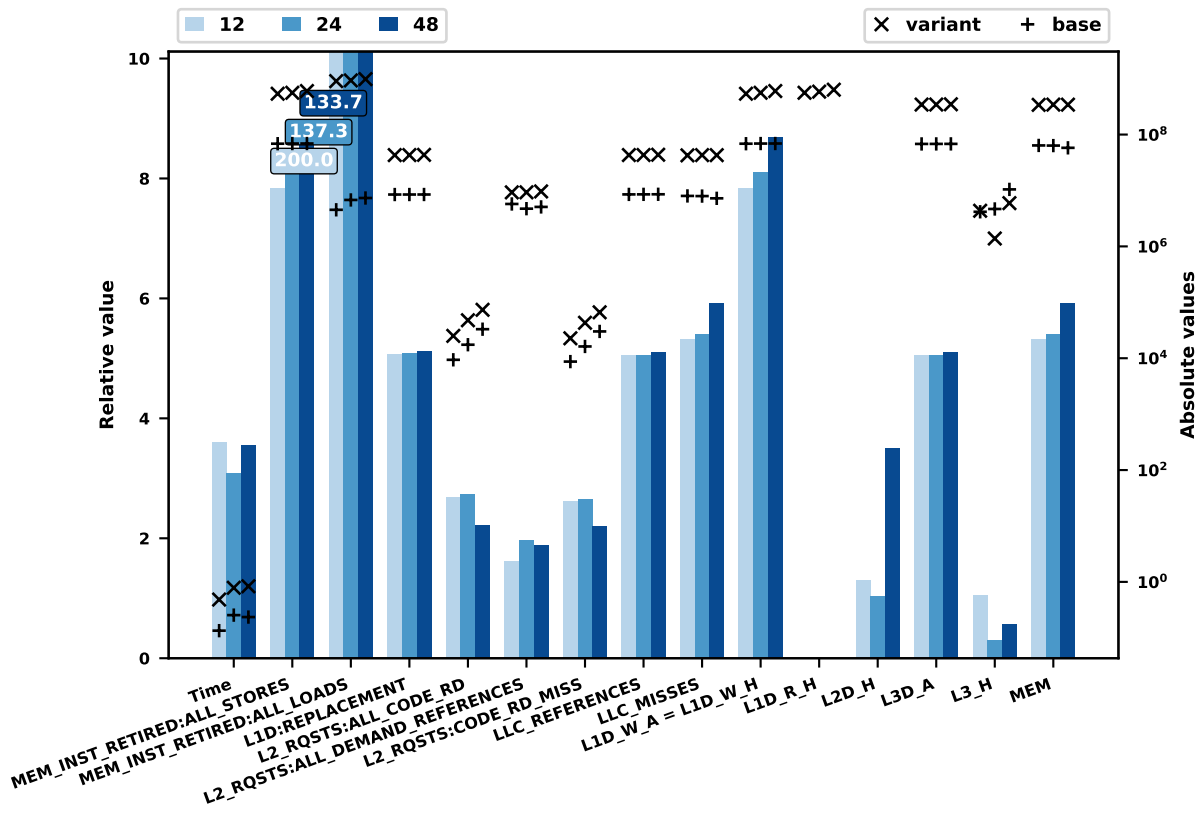**A. Comparing 370.mgrid331-archer-noread variant with base for region ImplTaskRegion3**
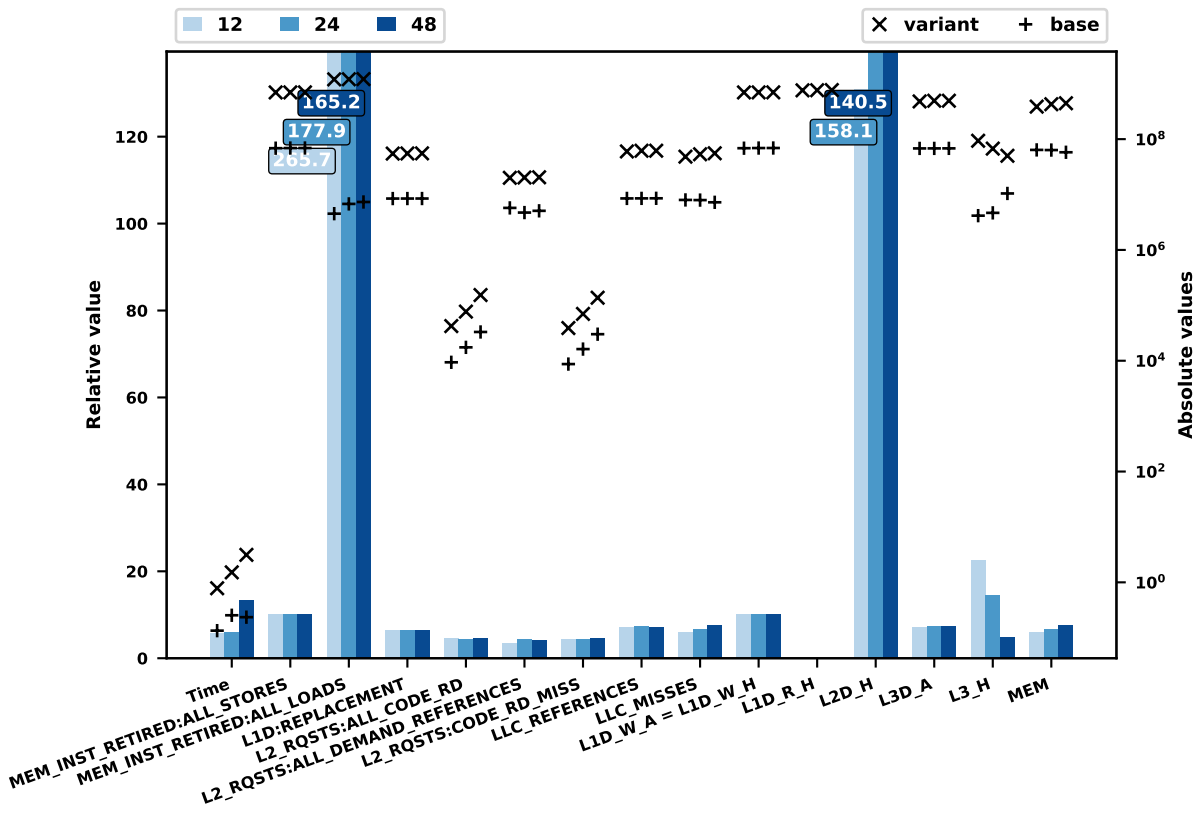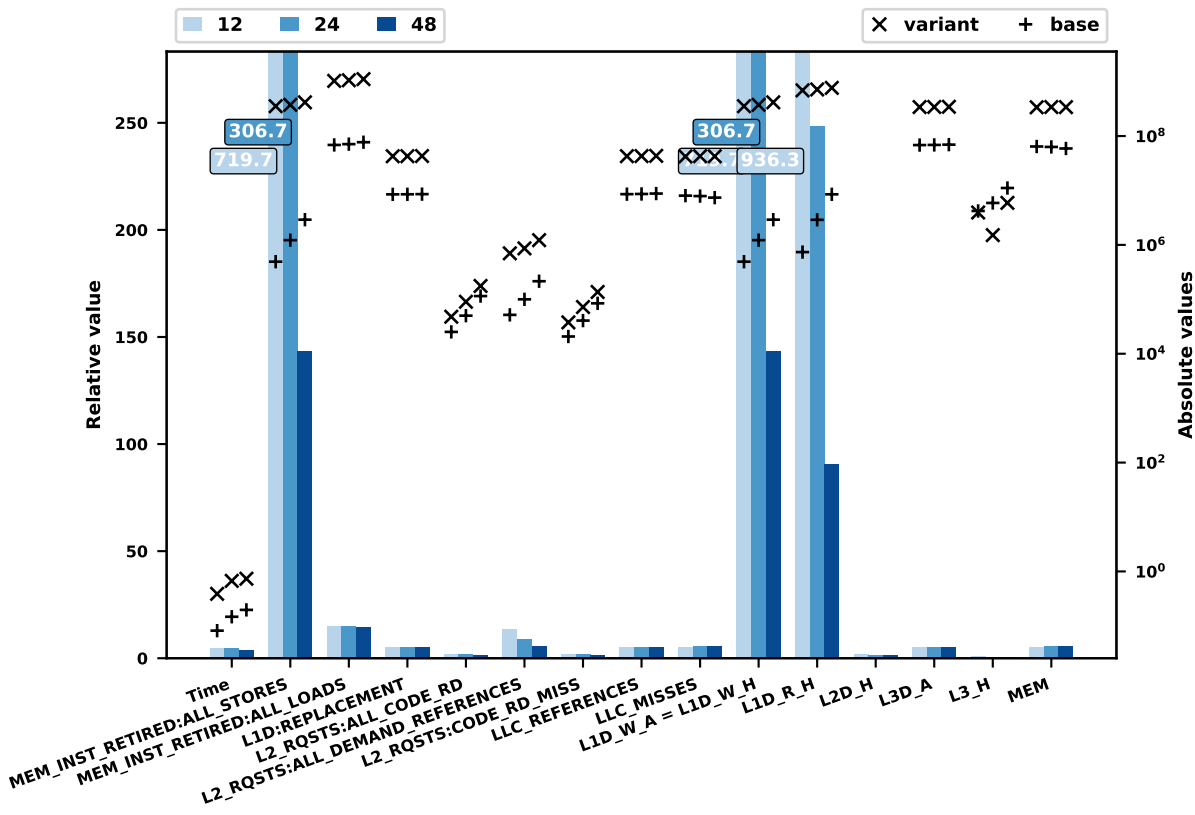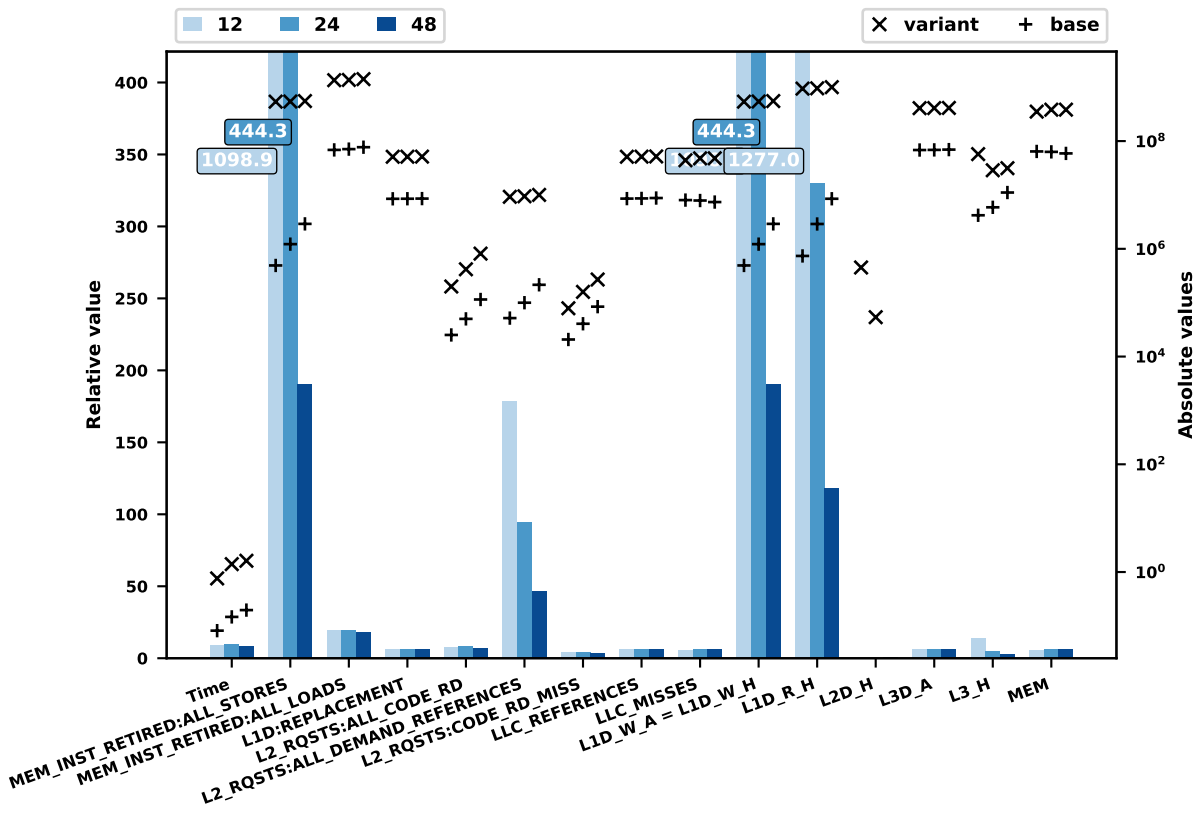
Legend: 12, 24, 48; × variant, + base

Y-axis (left): Relative value

Y-axis (right): Absolute values

Annotated values: 101.0, 163.3, 141.8, 77.3, 79.6

X-axis categories: Time, MEM_INST_RETIRED:ALL_STORES, MEM_INST_RETIRED:ALL_LOADS, L1D:REPLACEMENT, L2_RQSTS:ALL_CODE_RD, L2_RQSTS:ALL_DEMAND_REFERENCES, L2_RQSTS:CODE_RD_MISS, LLC_REFERENCES, LLC_MISSES, L1D_W_A = L1D_W_H, L1D_R_H, L2D_H, L3D_A, L3_H, MEM

A. Comparing 370.mgrid331-tsan-sampling variant with base for region ImplTaskRegion3

Legend: 12, 24, 48 | × variant, + base

Y-axis (left): Relative value
Y-axis (right): Absolute values

Annotated values: 102.0, 181.2, 155.3, 116.5, 78.3

X-axis categories: Time, MEM_INST_RETIRED:ALL_STORES, MEM_INST_RETIRED:ALL_LOADS, L1D:REPLACEMENT, L2_RQSTS:ALL_CODE_RD, L2_RQSTS:ALL_DEMAND_REFERENCES, L2_RQSTS:CODE_RD_MISS, LLC_REFERENCES, LLC_MISSES, L1D_W_A = L1D_W_H, L1D_R_H, L2D_H, L3D_A, L3_H, MEM

A. Comparing 370.mgrid331-archer-sampling variant with base for region ImplTaskRegion3

Legend: 12, 24, 48 | × variant, + base

Categories (x-axis): Time, MEM_INST_RETIRED:ALL_STORES, MEM_INST_RETIRED:ALL_LOADS, L1D:REPLACEMENT, L2_RQSTS:ALL_CODE_RD, L2_RQSTS:ALL_DEMAND_REFERENCES, L2_RQSTS:CODE_RD_MISS, LLC_REFERENCES, LLC_MISSES, L1D_W_A = L1D_W_H, L1D_R_H, L2D_H, L3D_A, L3_H, MEM

Annotated values: 102.3, 206.3, 185.3, 187.6, 85.1

A. Comparing 370.mgrid331-tsan variant
with base for region ImplTaskRegion3

Legend: 12, 24, 48 | × variant + base

Categories (x-axis): Time, MEM_INST_RETIRED:ALL_STORES, MEM_INST_RETIRED:ALL_LOADS, L1D:REPLACEMENT, L2_RQSTS:ALL_CODE_RD, L2_RQSTS:ALL_DEMAND_REFERENCES, L2_RQSTS:CODE_RD_MISS, LLC_REFERENCES, LLC_MISSES, L1D_W_A = L1D_W_H, L1D_R_H, L2D_H, L3D_A, L3_H, MEM

Y-axis (left): Relative value
Y-axis (right): Absolute values

Labels: 101.0, 157.5, 118.8, 116.7, 80.0

A. Comparing 370.mgrid331-archer variant with base for region ImplTaskRegion3

A. Comparing 370.mgrid331-tsan-noread variant with base for region ImplTaskRegion4

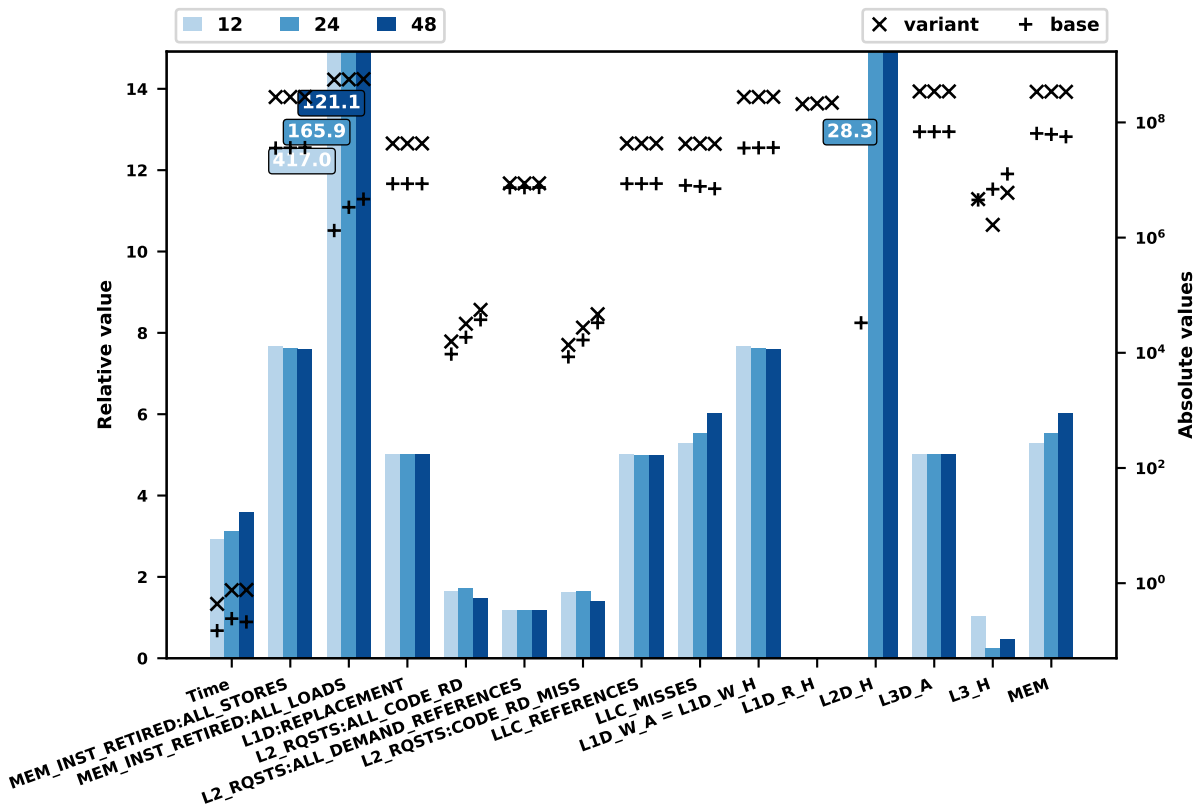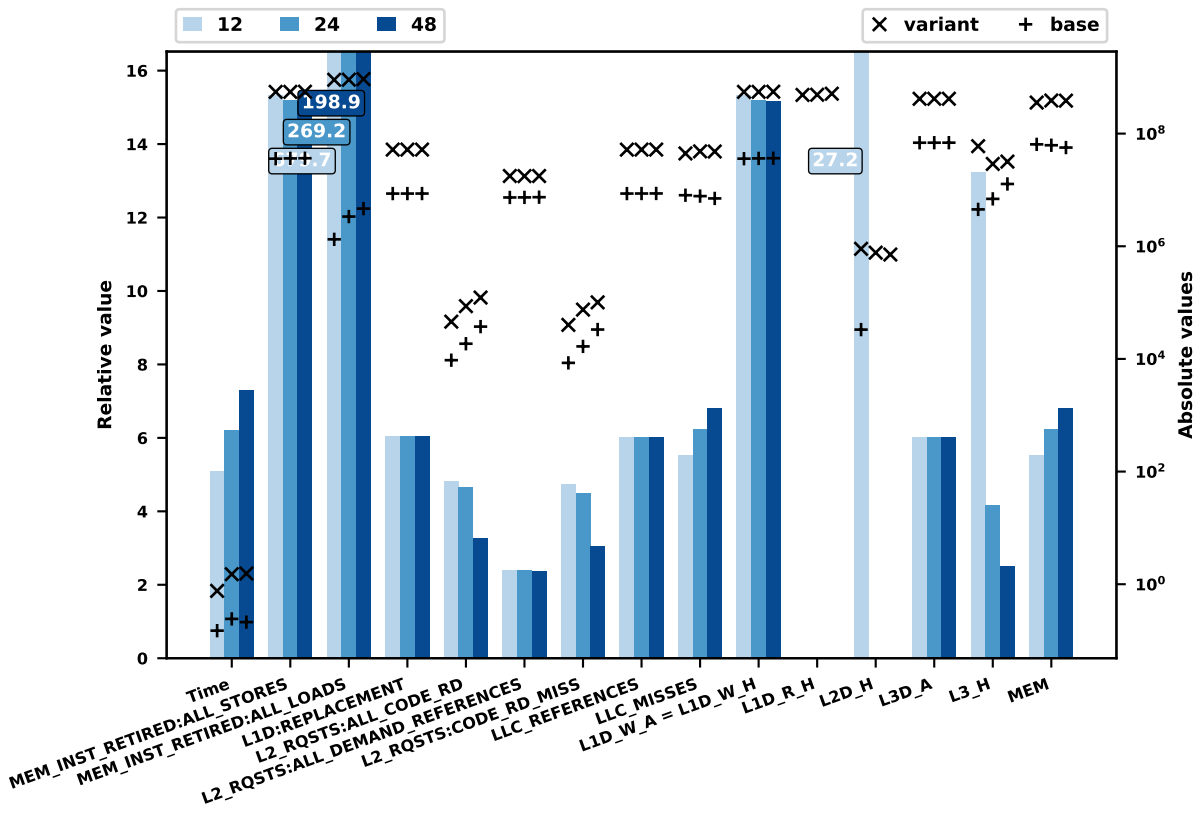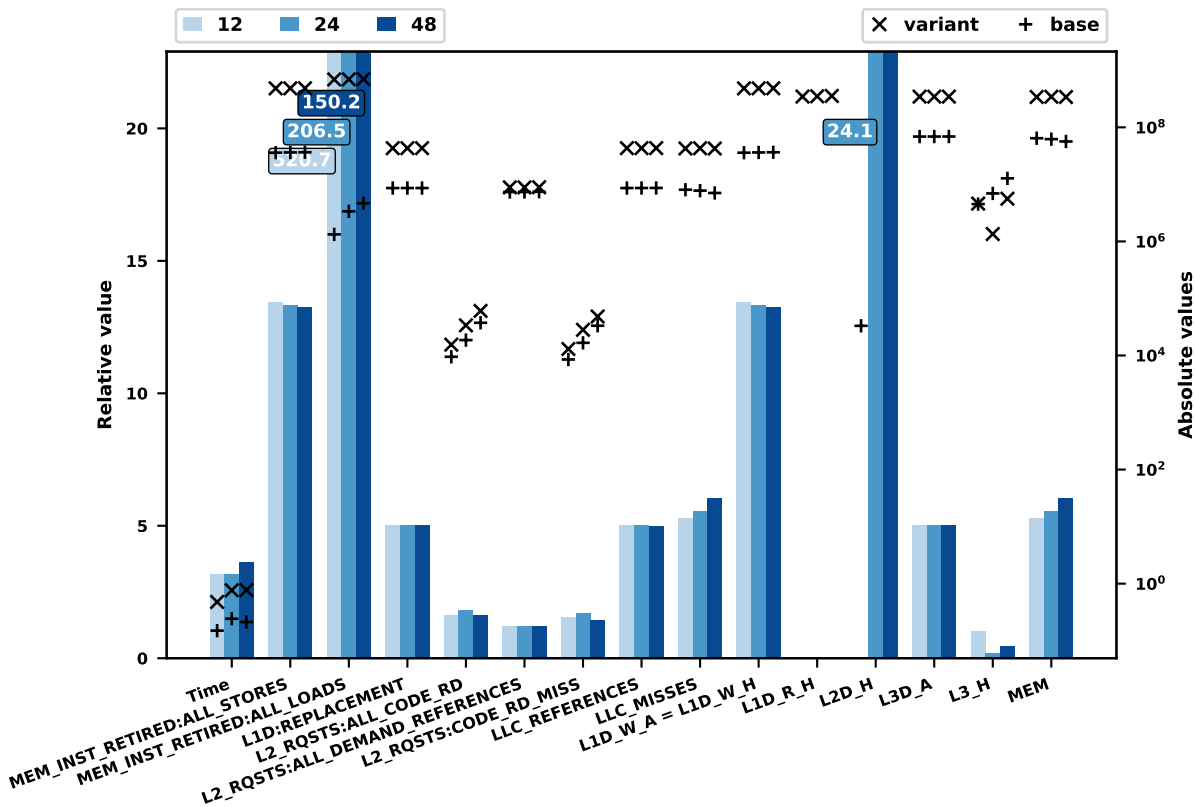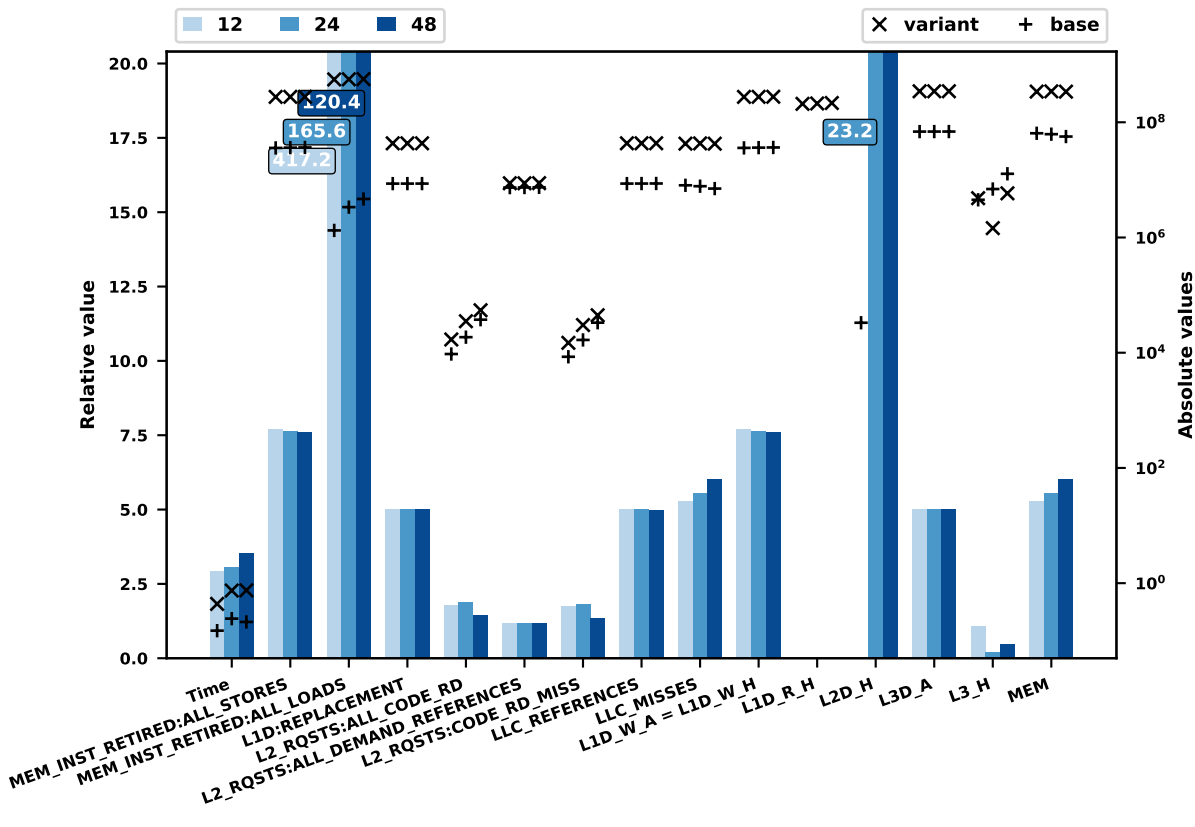**A. Comparing 370.mgrid331-archer-noread variant with base for region ImplTaskRegion4**
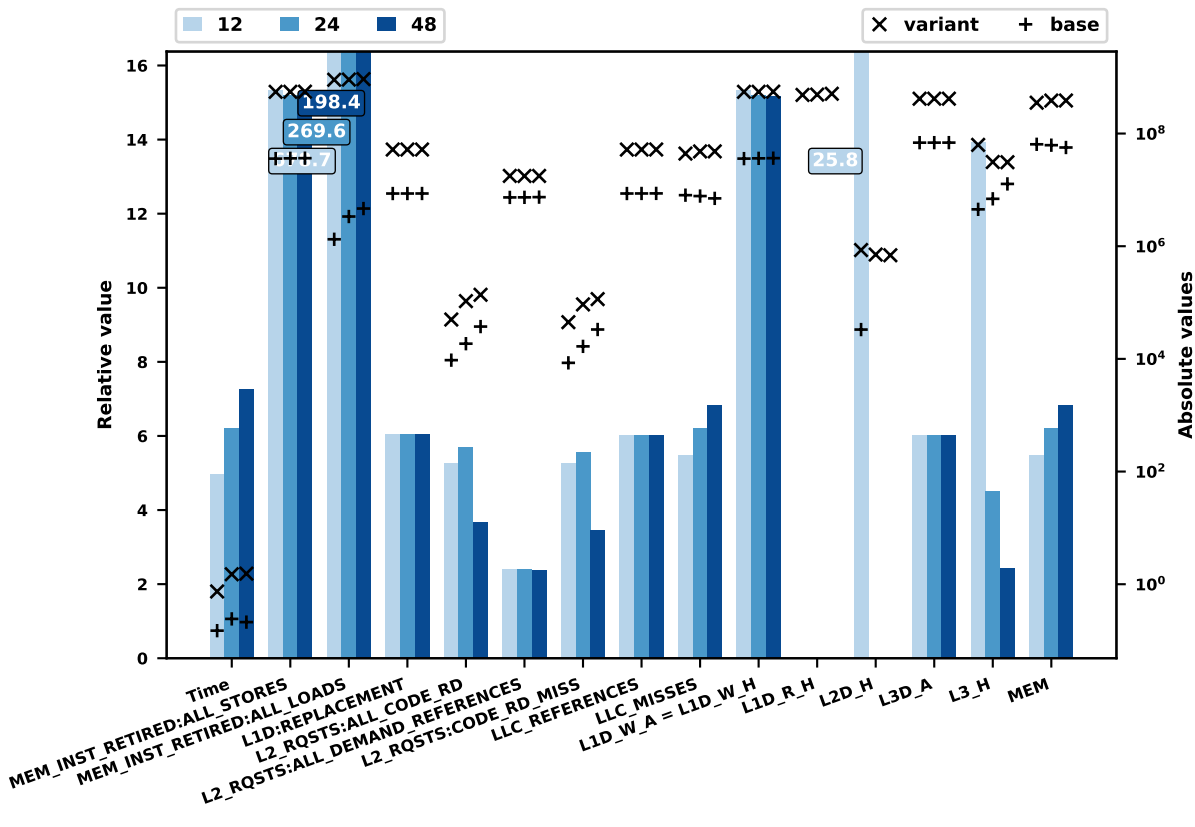
A. Comparing 370.mgrid331-tsan-sampling variant with base for region ImplTaskRegion4
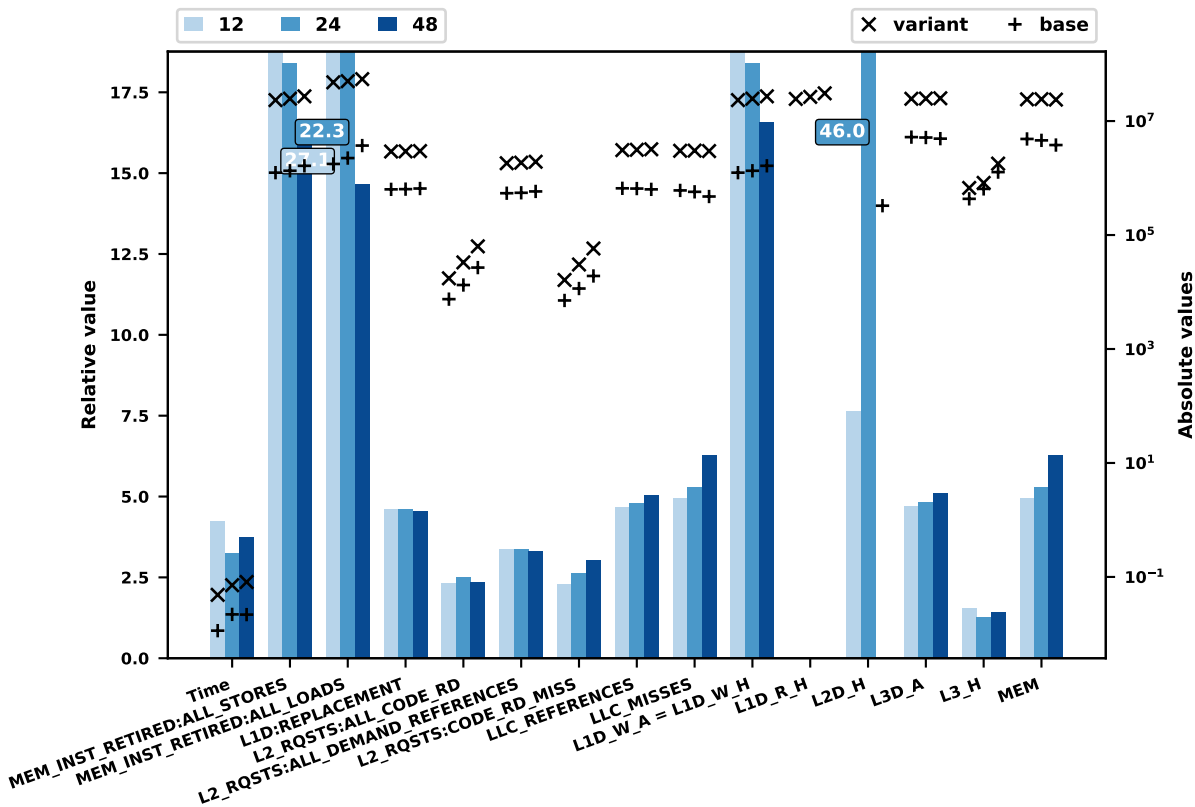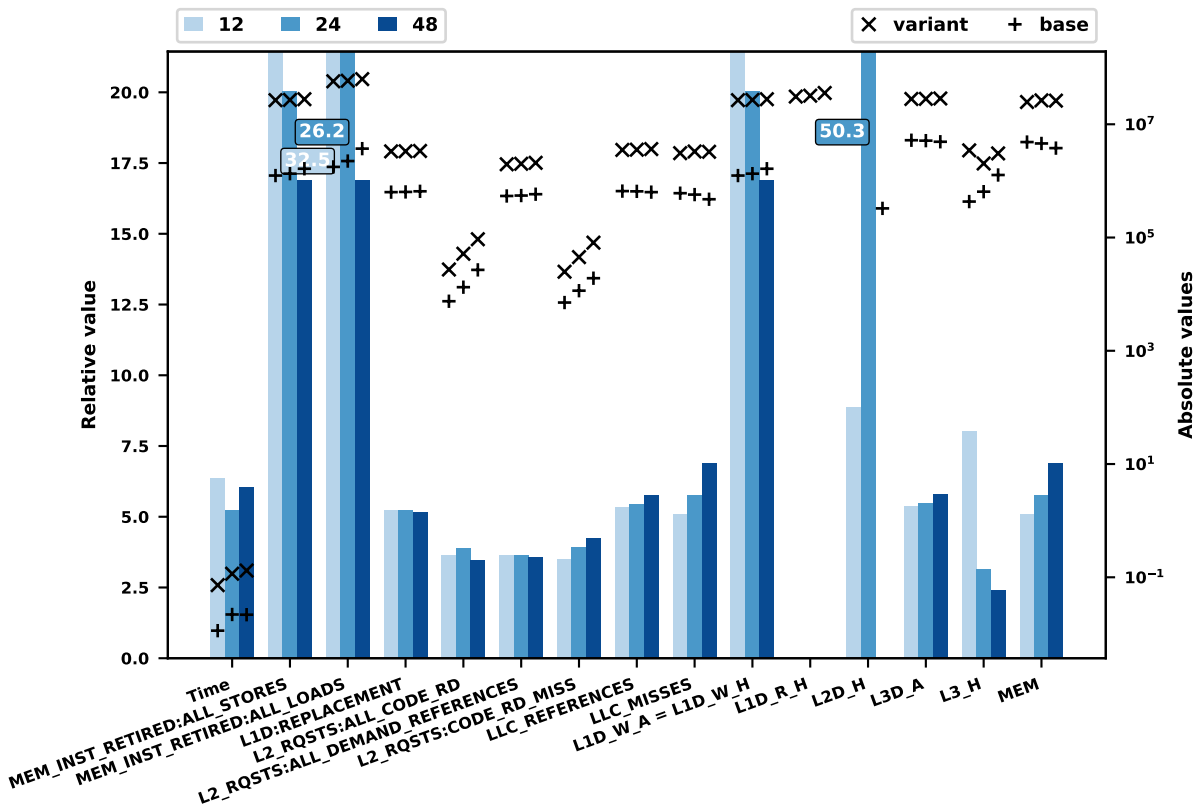
Legend: 12, 24, 48 — × variant + base

X-axis labels: Time, MEM_INST_RETIRED:ALL_STORES, MEM_INST_RETIRED:ALL_LOADS, L1D:REPLACEMENT, L2_RQSTS:ALL_CODE_RD, L2_RQSTS:ALL_DEMAND_REFERENCES, L2_RQSTS:CODE_RD_MISS, LLC_REFERENCES, LLC_MISSES, L1D_W_A = L1D_W_H, L1D_R_H, L2D_H, L3D_A, L3_H, MEM

Y-axis left: Relative value; Y-axis right: Absolute values

Data labels: 11.7, 152.8, 157.9, 231.1, 11.7

A. Comparing 370.mgrid331-archer-sampling variant with base for region ImplTaskRegion4

Legend: 12, 24, 48; × variant, + base

205.5
218.7
320.7
22.4
23.0

Y-axis (left): Relative value
Y-axis (right): Absolute values

X-axis labels: Time, MEM_INST_RETIRED:ALL_STORES, MEM_INST_RETIRED:ALL_LOADS, L1D:REPLACEMENT, L2_RQSTS:ALL_CODE_RD, L2_RQSTS:ALL_DEMAND_REFERENCES, L2_RQSTS:CODE_RD_MISS, LLC_REFERENCES, LLC_MISSES, L1D_W_A = L1D_W_H, L1D_R_H, L2D_H, L3D_A, L3_H, MEM

A. Comparing 370.mgrid331-tsan variant with base for region ImplTaskRegion4

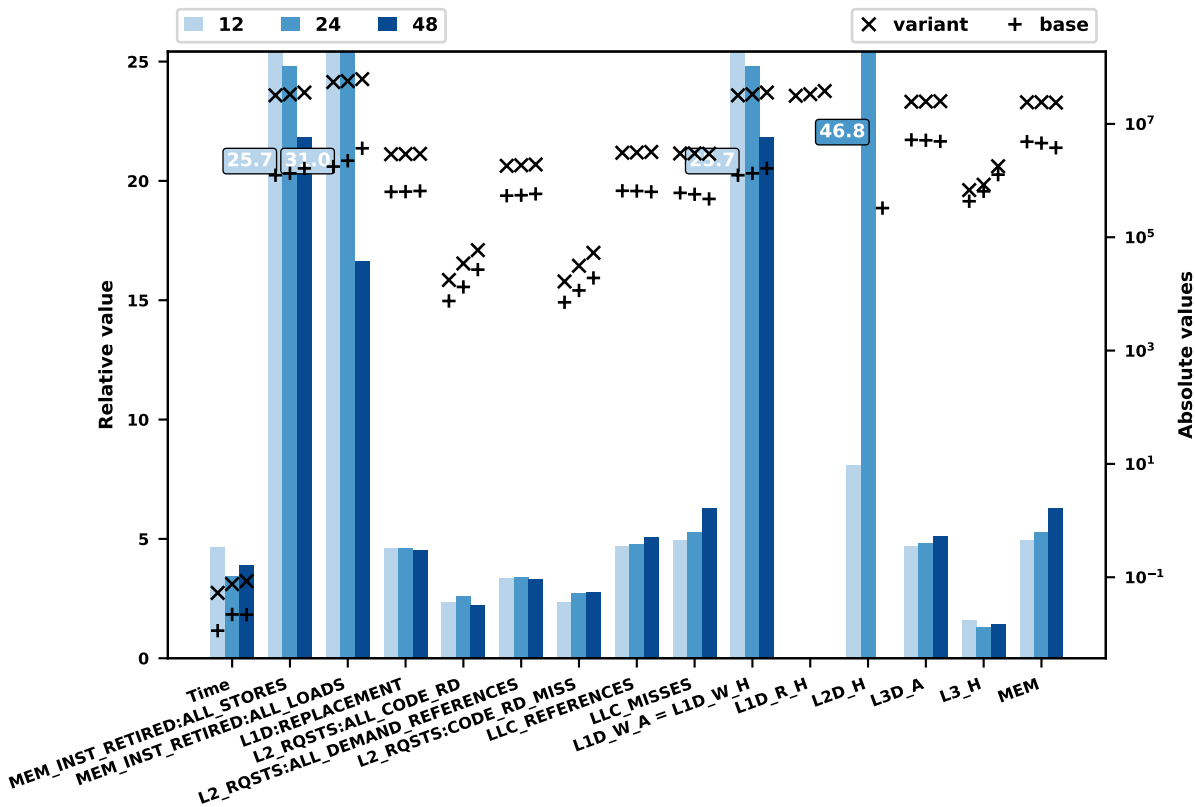**A. Comparing 370.mgrid331-archer variant with base for region ImplTaskRegion4**

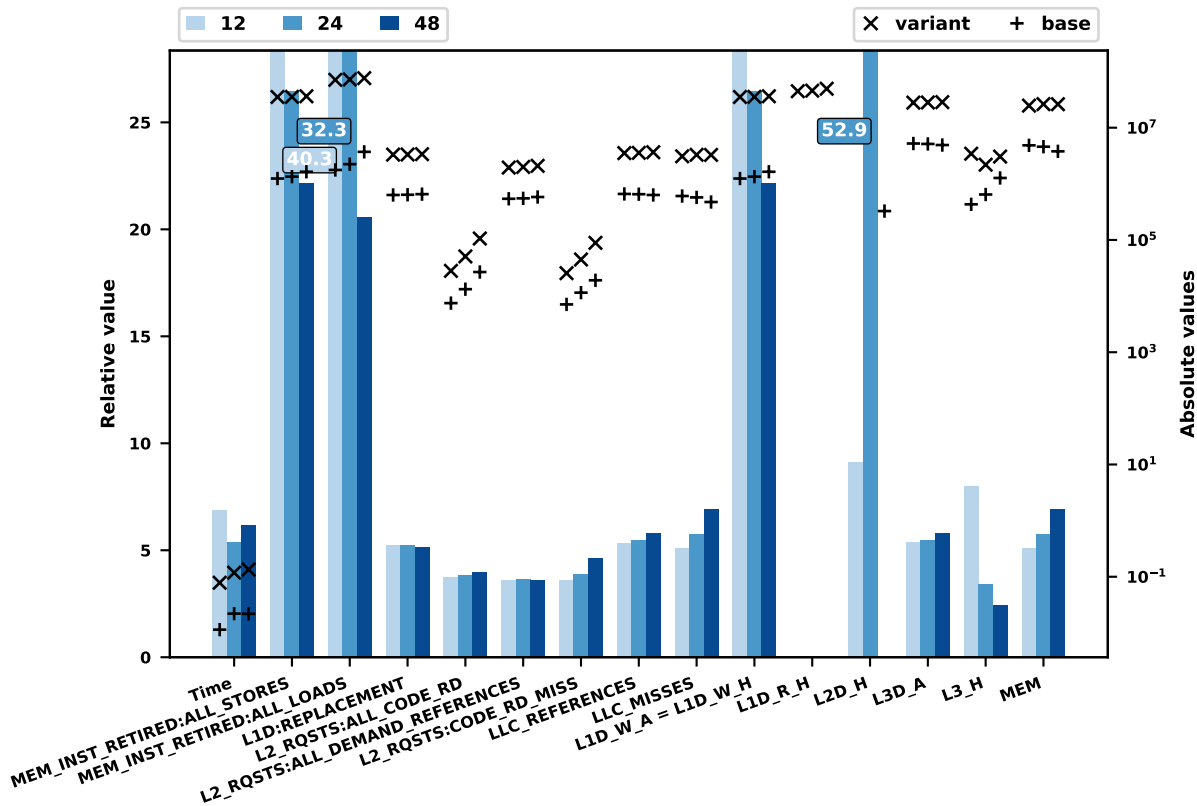**A. Comparing 370.mgrid331-tsan-noread variant with base for region ImplTaskRegion5**

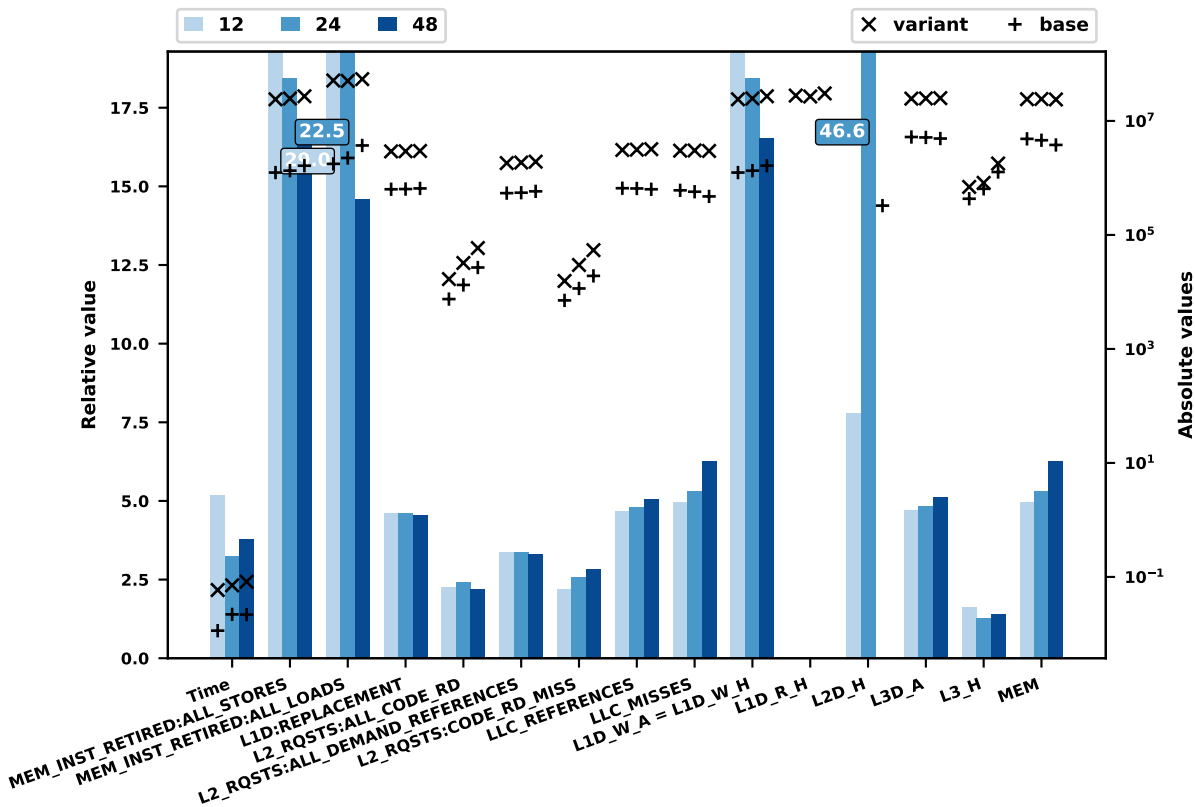**A. Comparing 370.mgrid331-archer-noread variant with base for region ImplTaskRegion5**

A. Comparing 370.mgrid331-tsan-sampling variant with base for region ImplTaskRegion5
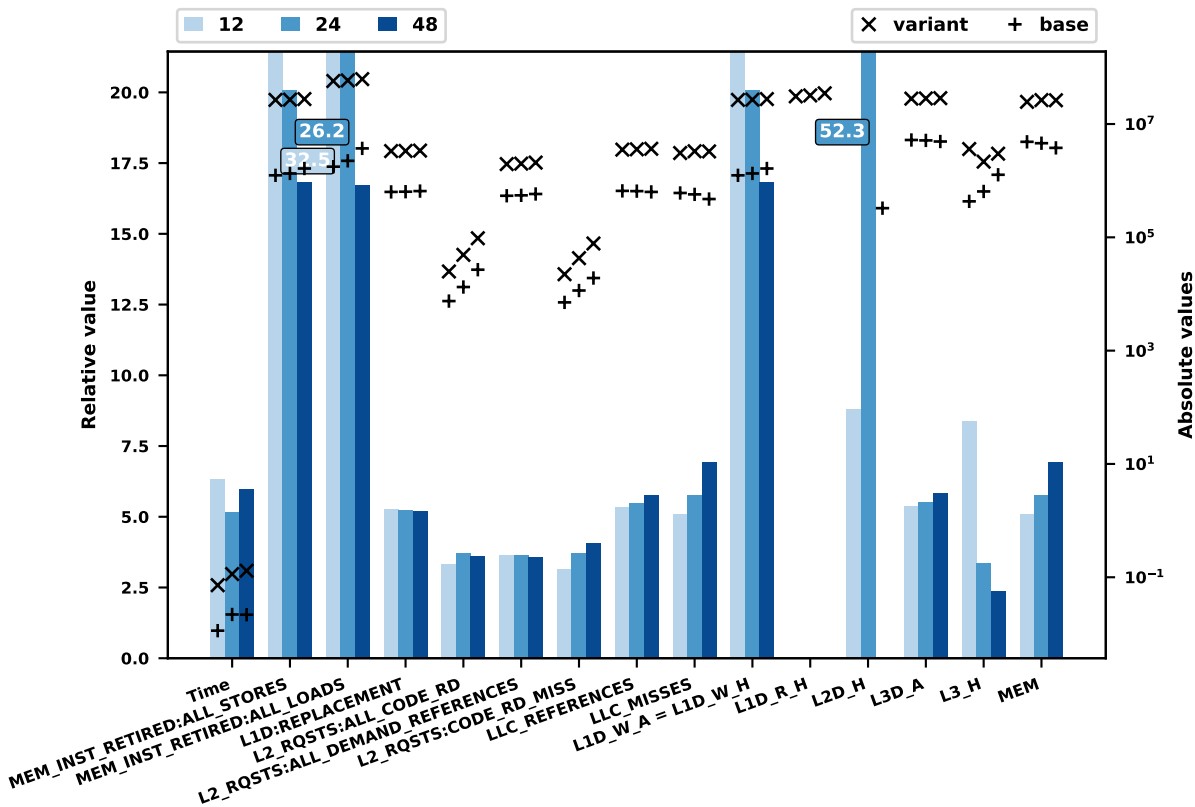
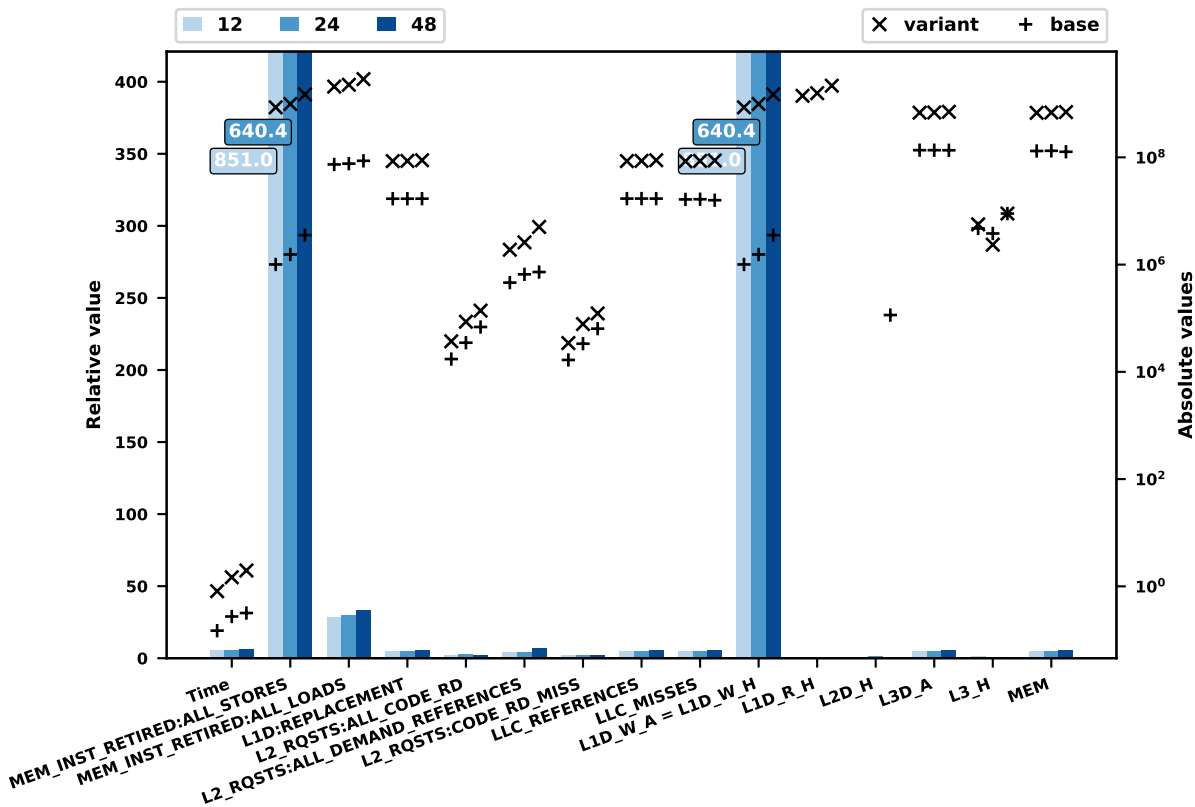A. Comparing 370.mgrid331-archer-sampling variant with base for region ImplTaskRegion5

A. Comparing 370.mgrid331-tsan variant with base for region ImplTaskRegion5
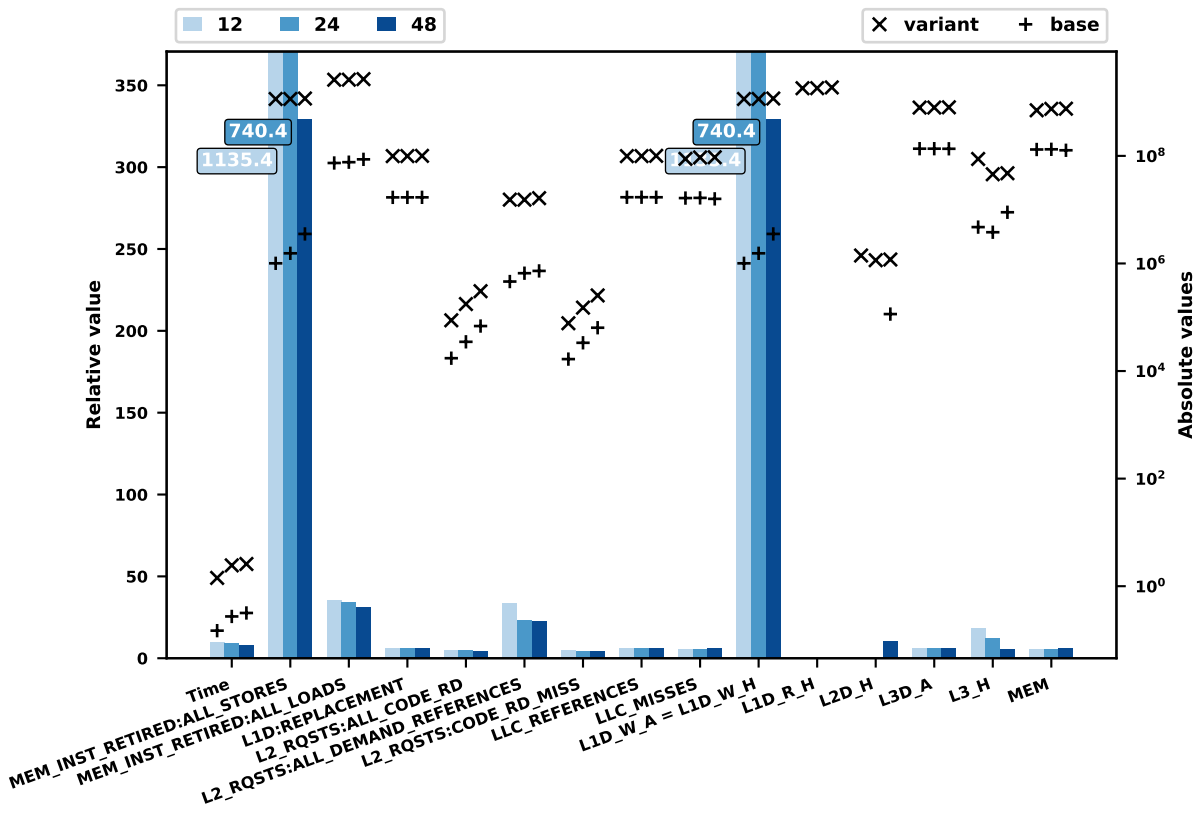
A. Comparing 370.mgrid331-archer variant with base for region ImplTaskRegion5
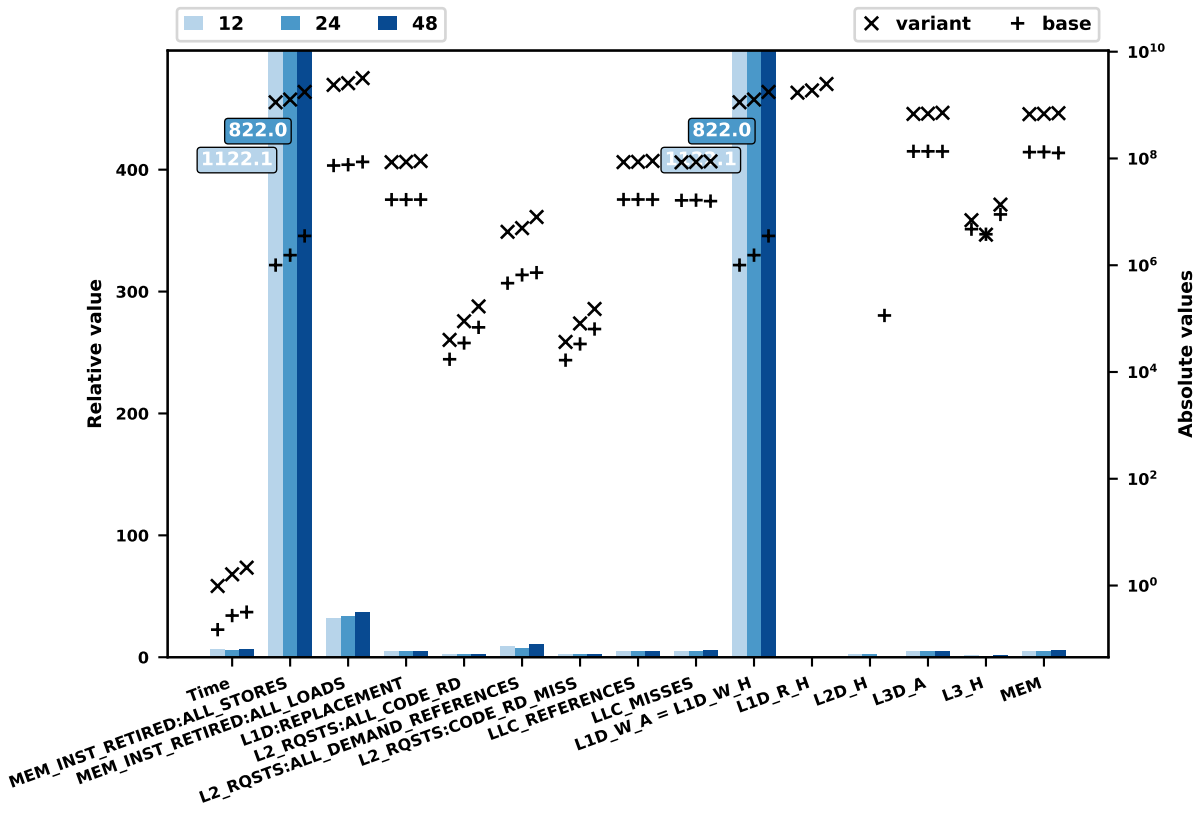
A. Comparing 370.mgrid331-tsan-noread variant with base for region ImplTaskRegion6
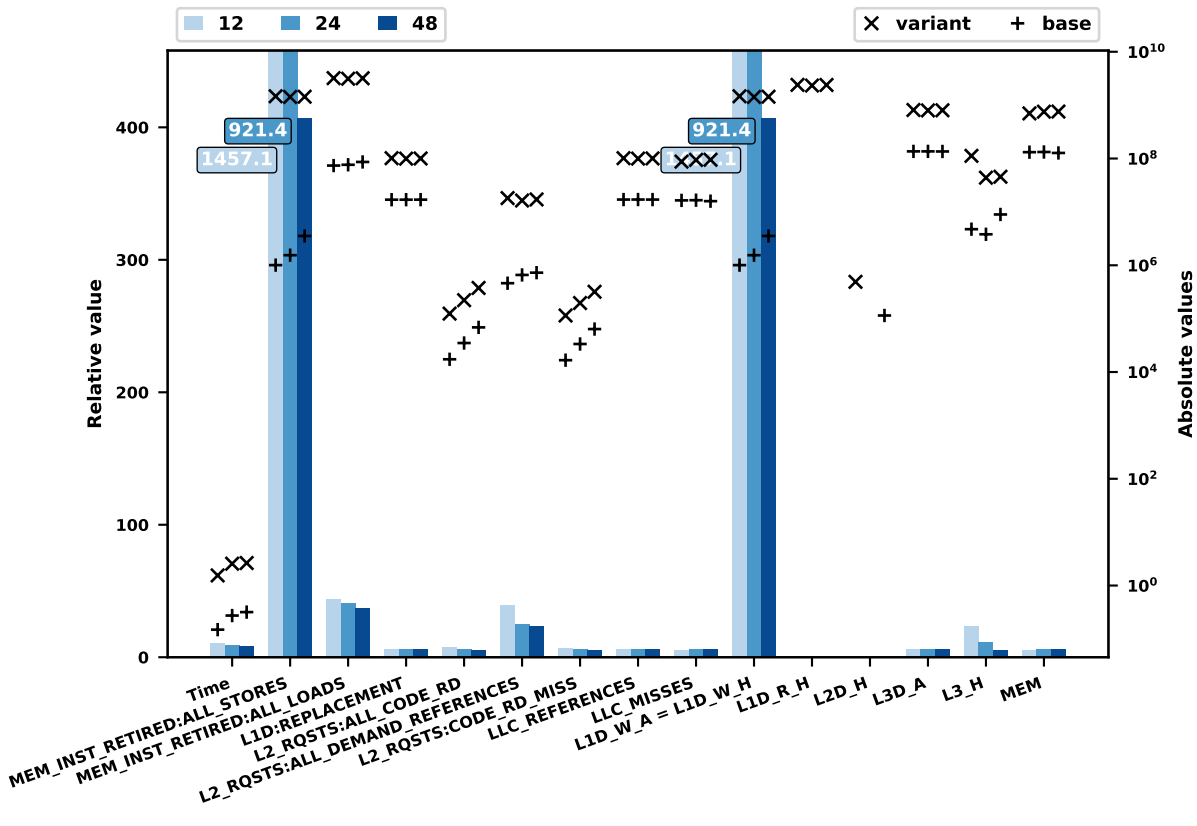
A. Comparing 370.mgrid331-archer-noread variant with base for region ImplTaskRegion6
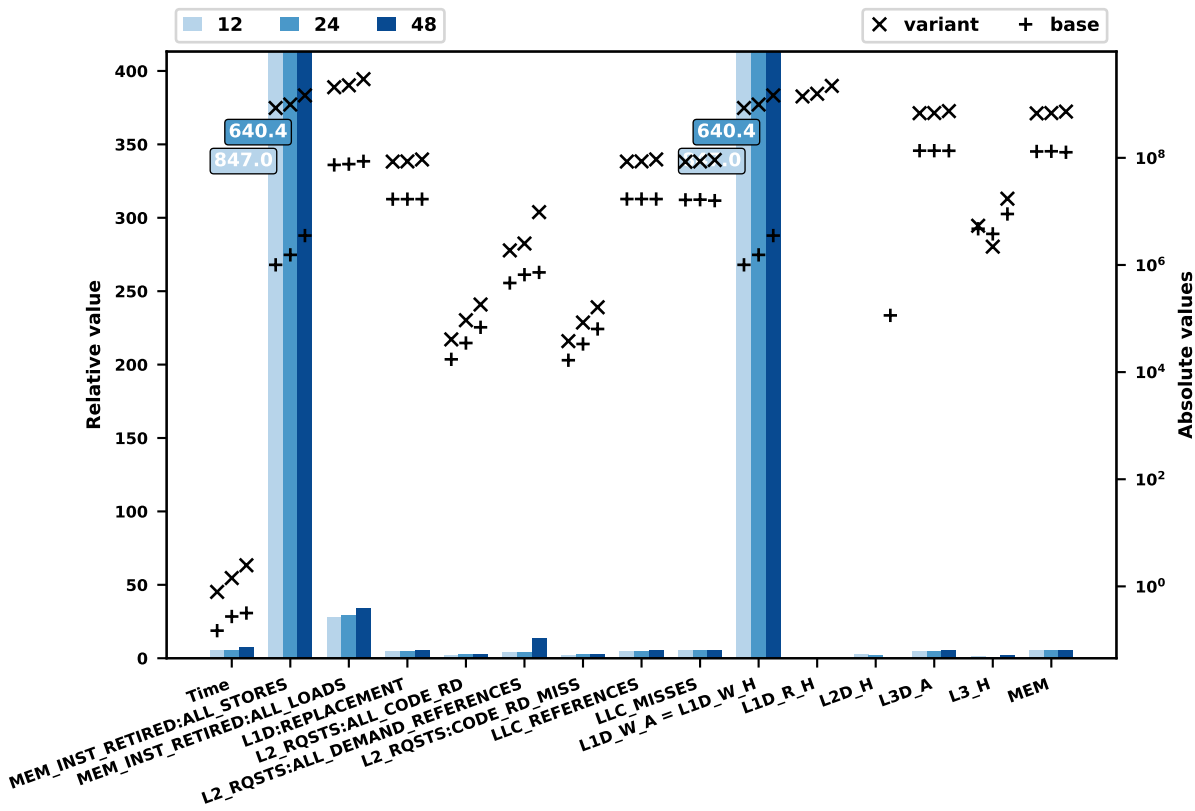
A. Comparing 370.mgrid331-tsan-sampling variant with base for region ImplTaskRegion6

Legend: 12, 24, 48; × variant, + base

X-axis categories: Time, MEM_INST_RETIRED:ALL_STORES, MEM_INST_RETIRED:ALL_LOADS, L1D:REPLACEMENT, L2_RQSTS:ALL_CODE_RD, L2_RQSTS:ALL_DEMAND_REFERENCES, L2_RQSTS:CODE_RD_MISS, LLC_REFERENCES, LLC_MISSES, L1D_W_A = L1D_W_H, L1D_R_H, L2D_H, L3D_A, L3_H, MEM

Y-axis left: Relative value; Y-axis right: Absolute values

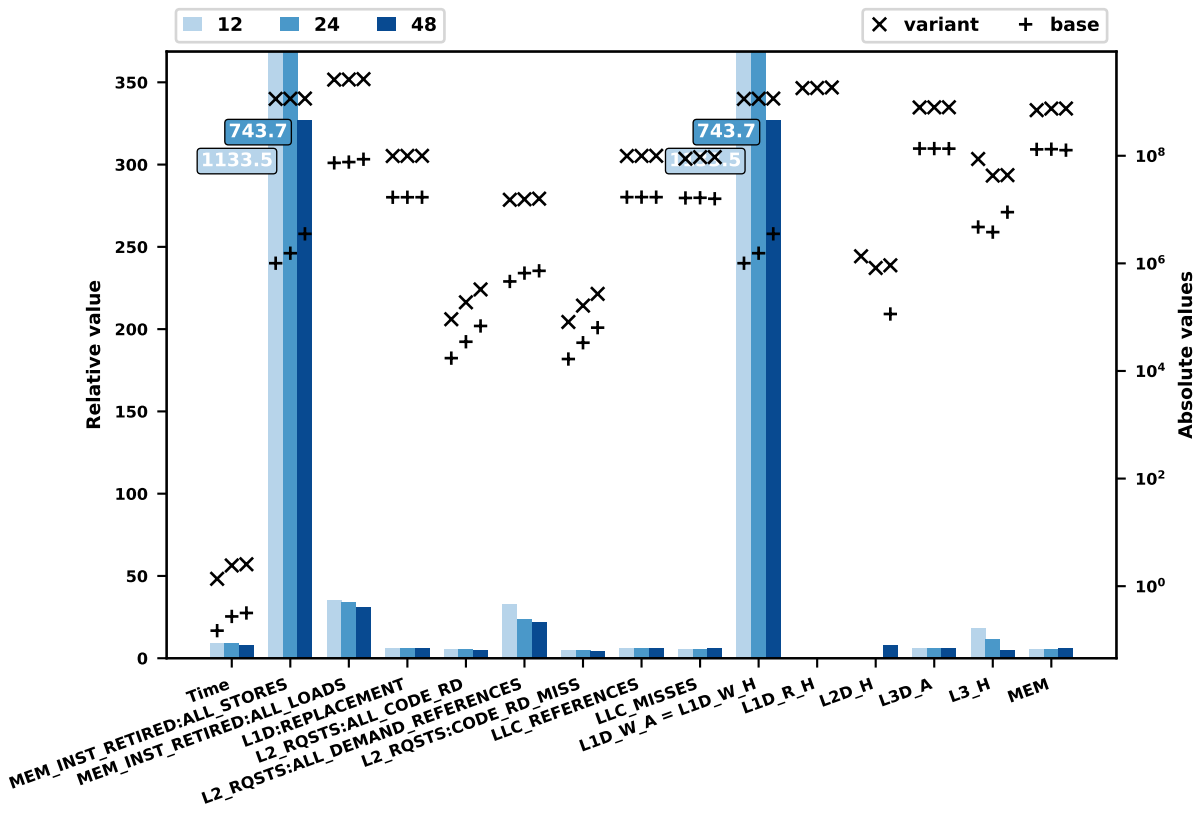Annotated values: 150.2, 206.5, 520.7, 24.1

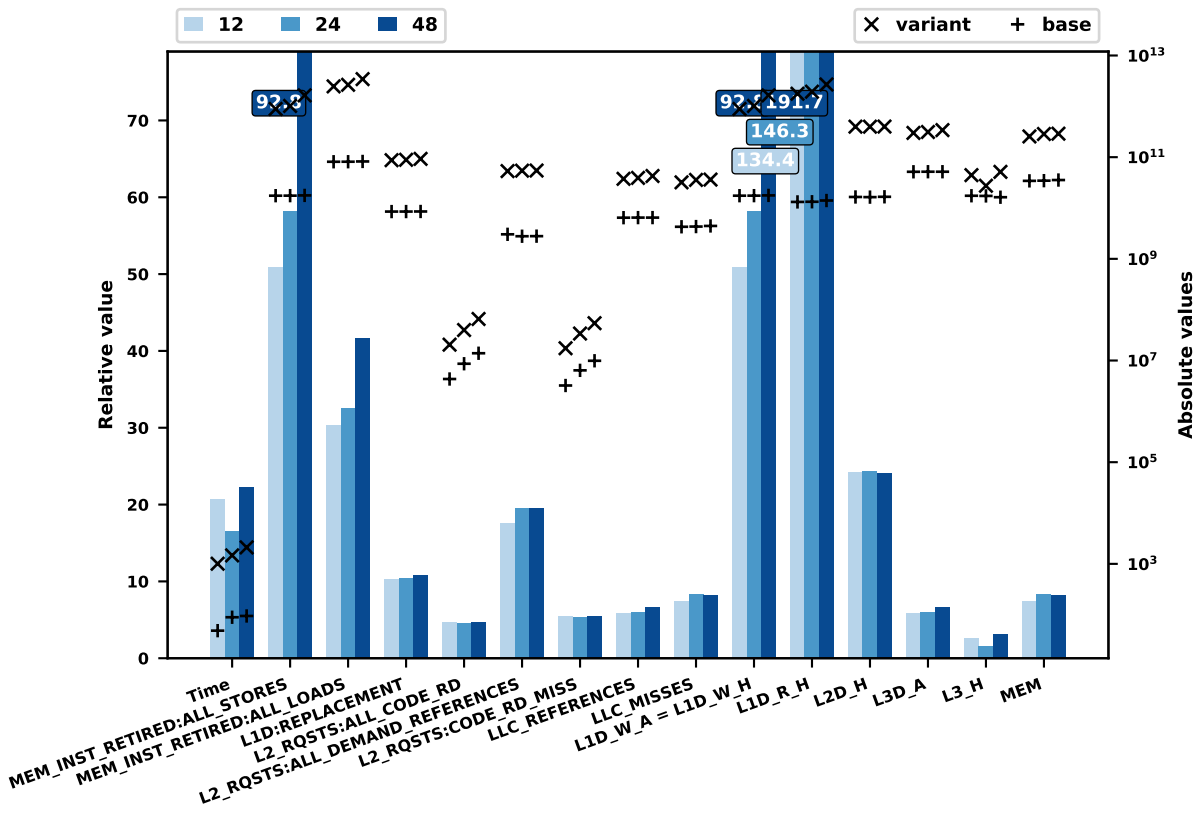**A. Comparing 370.mgrid331-archer-sampling variant with base for region ImplTaskRegion6**

A. Comparing 370.mgrid331-tsan variant with base for region ImplTaskRegion6
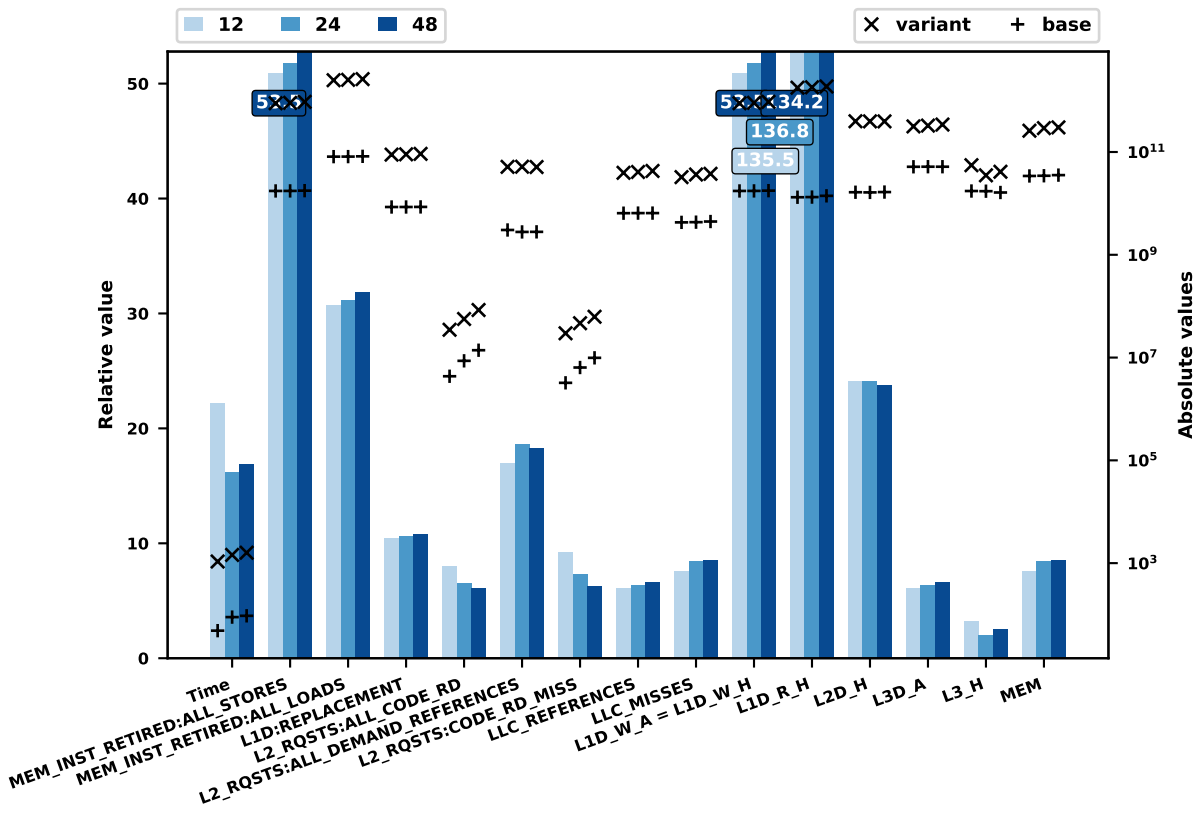
A. Comparing 370.mgrid331-archer variant with base for region ImplTaskRegion6

Legend: 12, 24, 48 (bars); × variant, + base (markers)

Y-axis (left): Relative value
Y-axis (right): Absolute values

X-axis categories: Time, MEM_INST_RETIRED:ALL_STORES, MEM_INST_RETIRED:ALL_LOADS, L1D:REPLACEMENT, L2_RQSTS:ALL_CODE_RD, L2_RQSTS:ALL_DEMAND_REFERENCES, L2_RQSTS:CODE_RD_MISS, LLC_REFERENCES, LLC_MISSES, L1D_W_A = L1D_W_H, L1D_R_H, L2D_H, L3D_A, L3_H, MEM
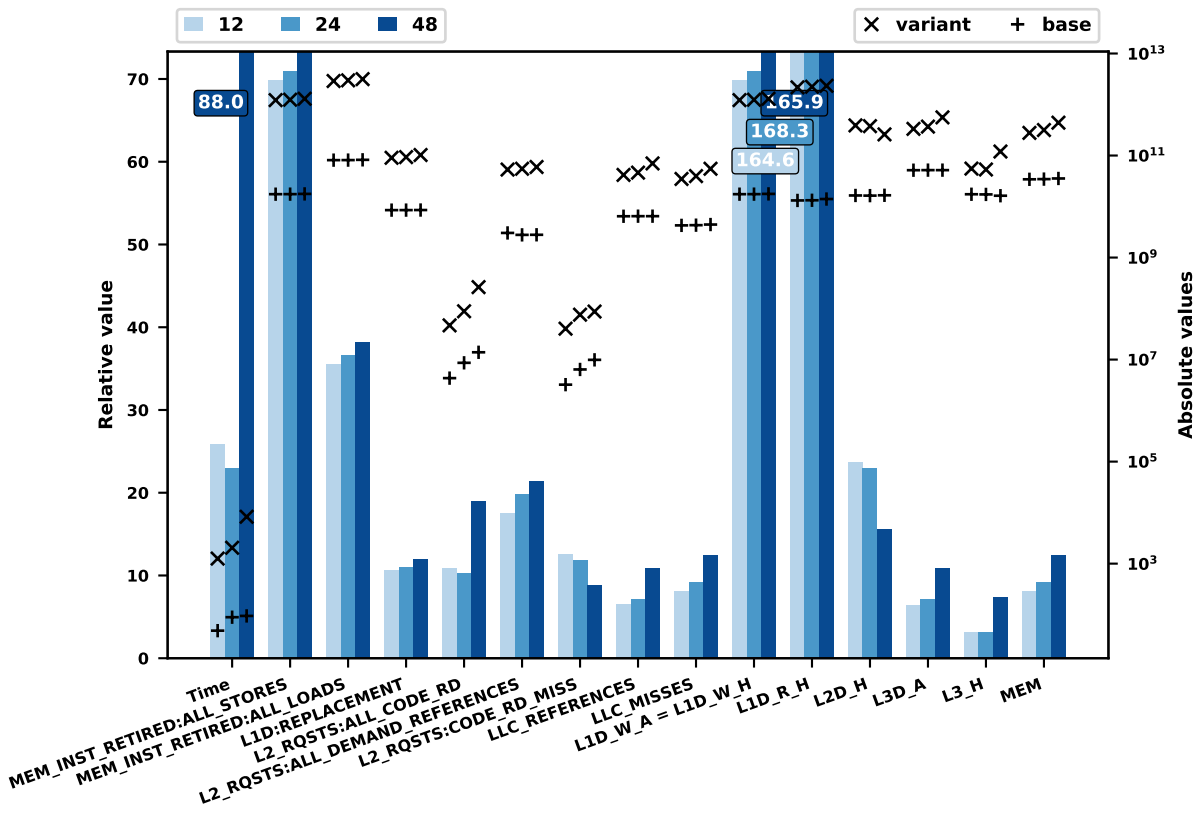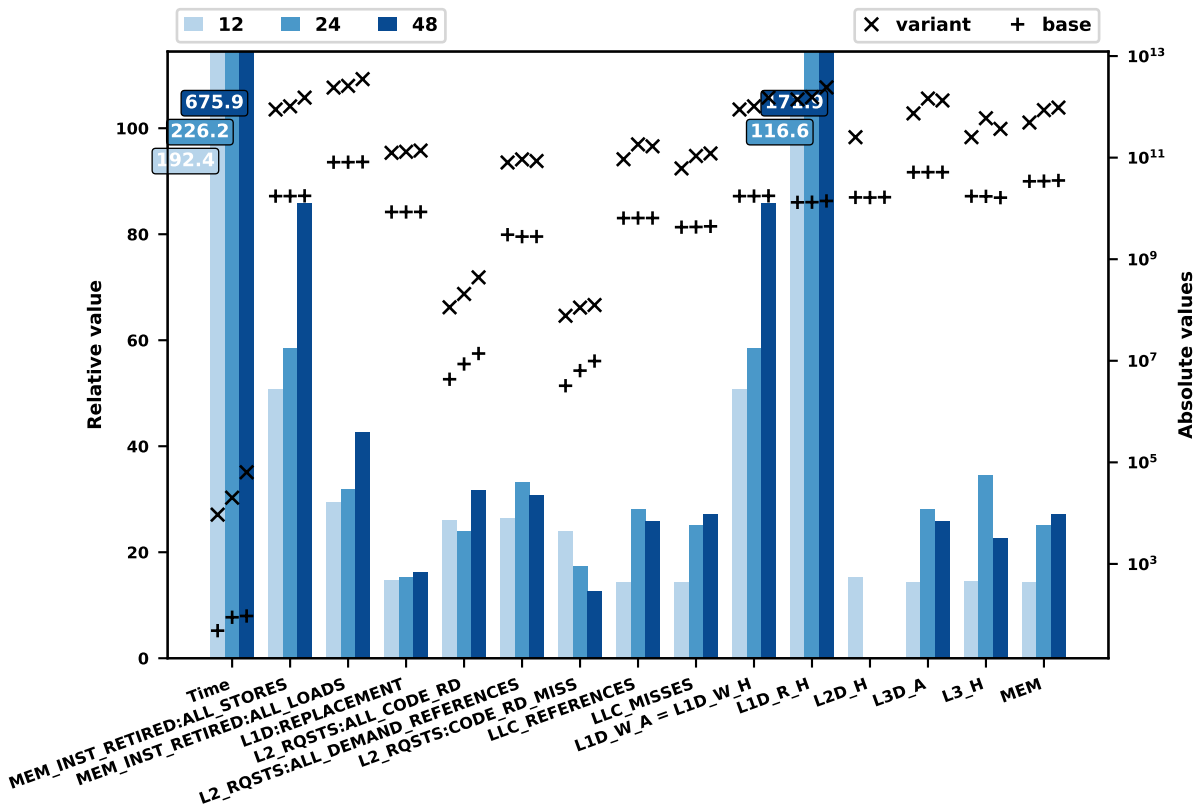
Annotated values: 198.4, 269.6, 25.8

A. Comparing 370.mgrid331-tsan-noread variant with base for region ImplTaskRegion7

A. Comparing 370.mgrid331-archer-noread variant with base for region ImplTaskRegion7
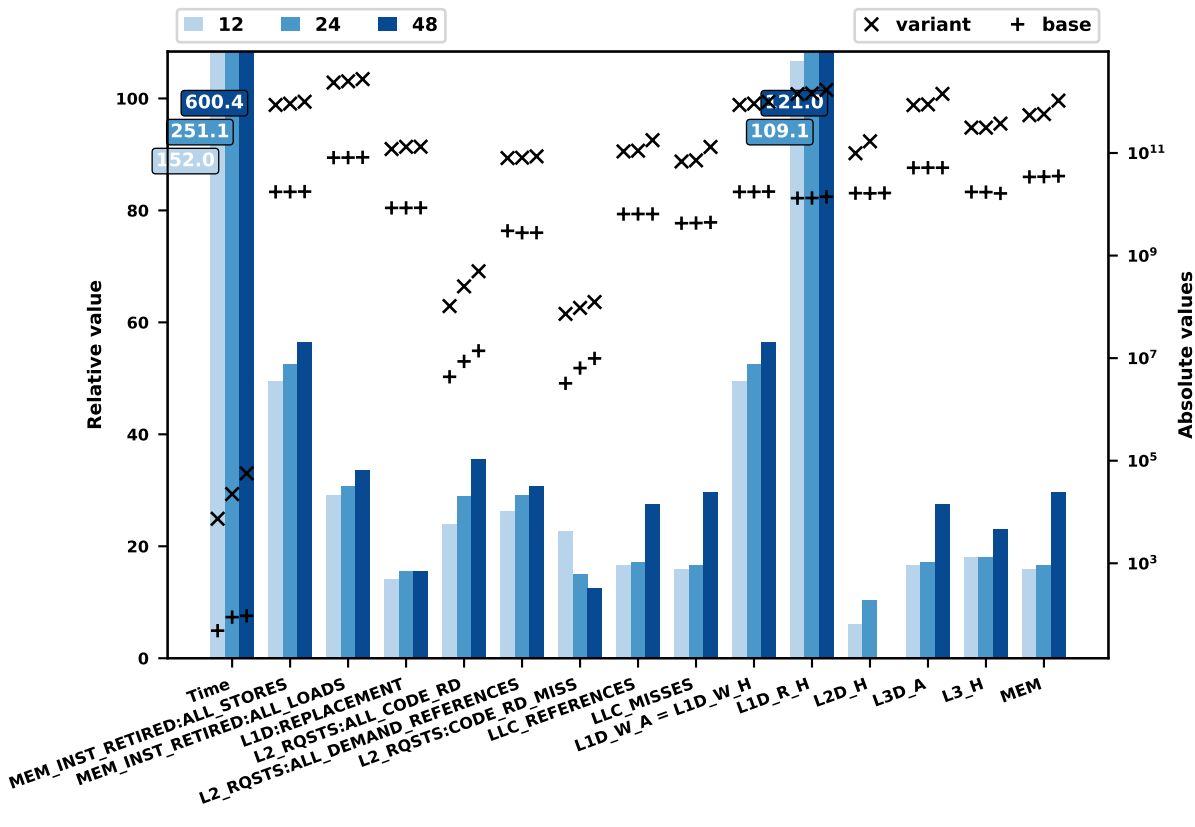
Legend: 12, 24, 48 (bars); × variant, + base (markers)

X-axis labels: Time, MEM_INST_RETIRED:ALL_STORES, MEM_INST_RETIRED:ALL_LOADS, L1D:REPLACEMENT, L2_RQSTS:ALL_CODE_RD, L2_RQSTS:ALL_DEMAND_REFERENCES, L2_RQSTS:CODE_RD_MISS, LLC_REFERENCES, LLC_MISSES, L1D_W_A = L1D_W_H, L1D_R_H, L2D_H, L3D_A, L3_H, MEM

Left Y-axis: Relative value

Right Y-axis: Absolute values

Annotated values: 26.2, 22.5, 50.3

A. Comparing 370.mgrid331-tsan-sampling variant with base for region ImplTaskRegion7

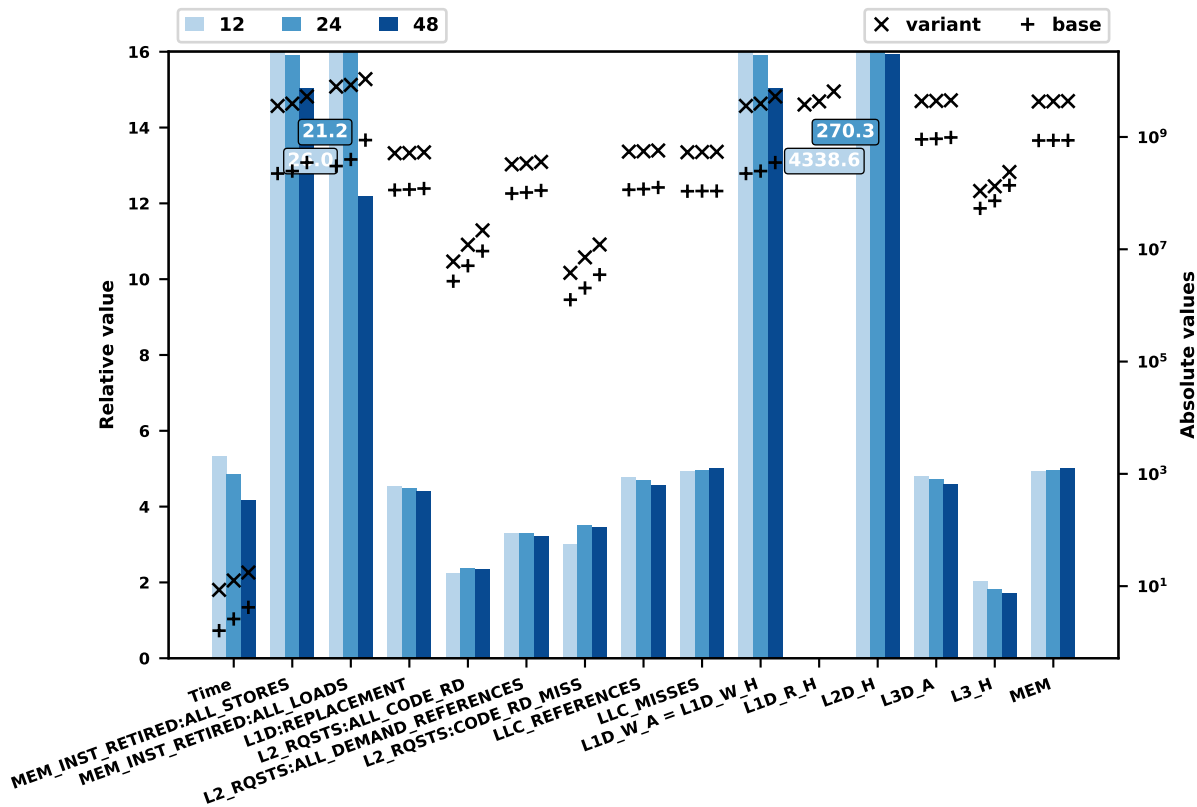**A. Comparing 370.mgrid331-archer-sampling variant with base for region ImplTaskRegion7**

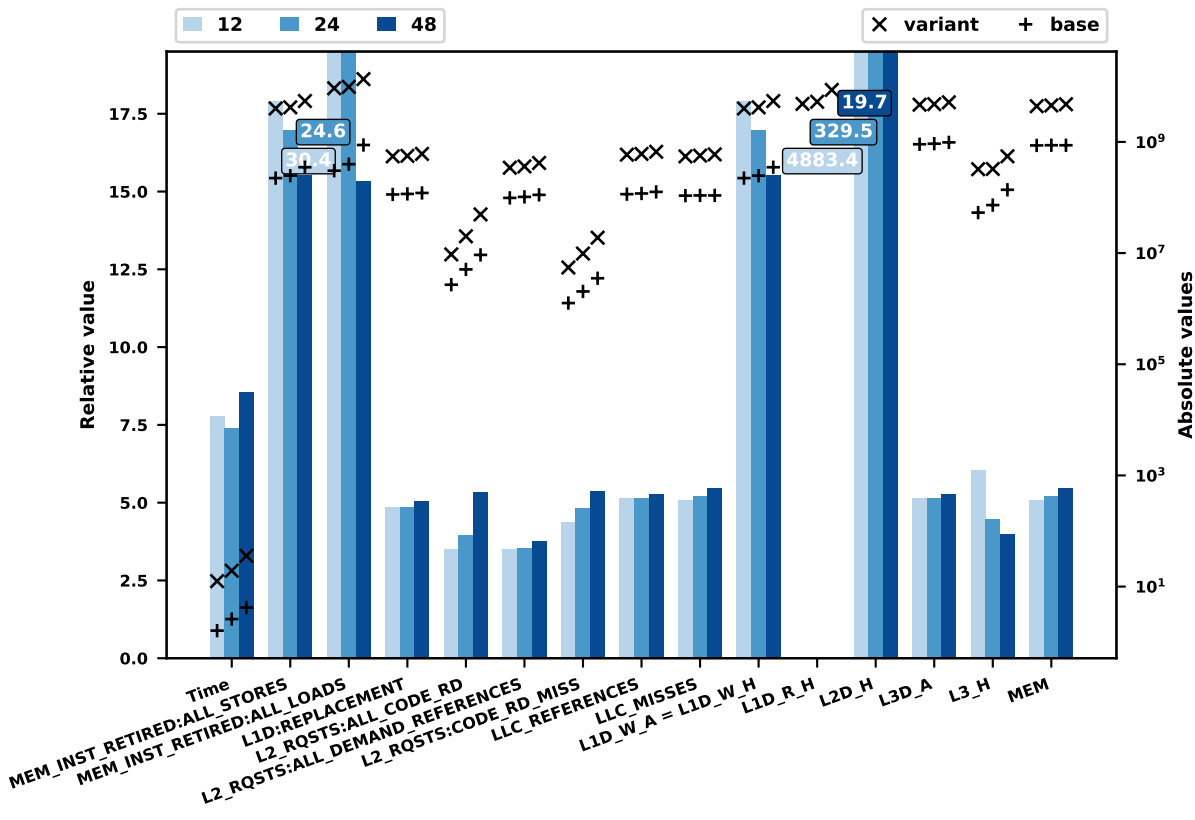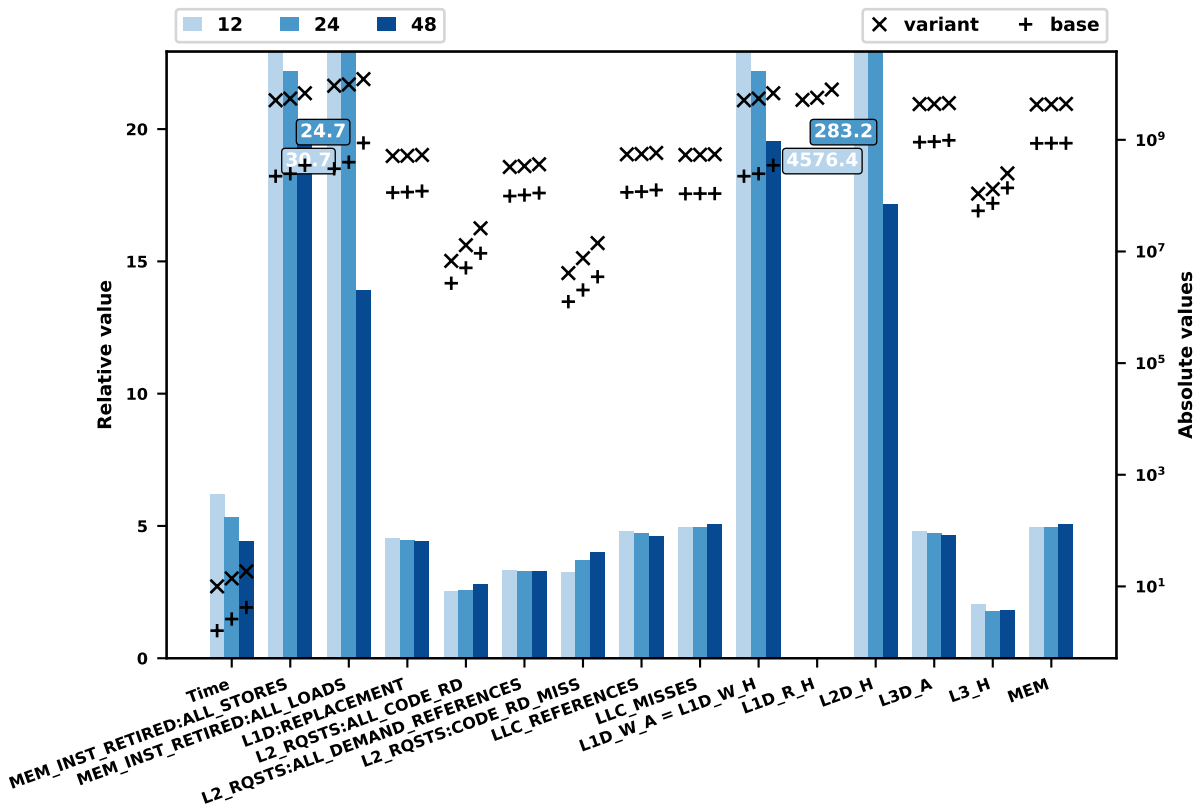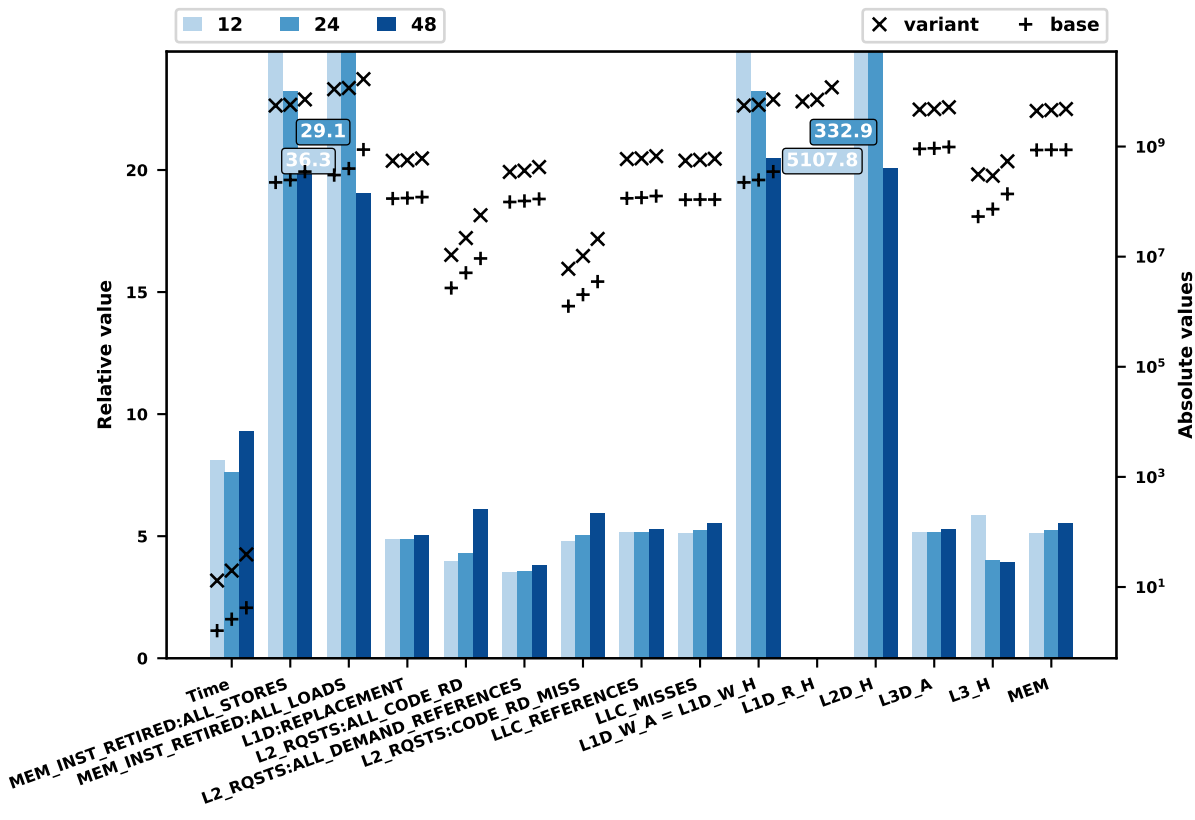**A. Comparing 370.mgrid331-tsan variant with base for region ImplTaskRegion7**

Legend: 12, 24, 48 | × variant + base

Categories (x-axis): Time, MEM_INST_RETIRED:ALL_STORES, MEM_INST_RETIRED:ALL_LOADS, L1D:REPLACEMENT, L2_RQSTS:ALL_CODE_RD, L2_RQSTS:ALL_DEMAND_REFERENCES, L2_RQSTS:CODE_RD_MISS, LLC_REFERENCES, LLC_MISSES, L1D_W_A = L1D_W_H, L1D_R_H, L2D_H, L3D_A, L3_H, MEM

Annotated values: 22.5, 20.0, 46.6

Y-axis (left): Relative value
Y-axis (right): Absolute values

A. Comparing 370.mgrid331-archer variant with base for region ImplTaskRegion7

Legend: 12, 24, 48 | × variant + base

Y-axis (left): Relative value

Y-axis (right): Absolute values

X-axis categories: Time, MEM_INST_RETIRED:ALL_STORES, MEM_INST_RETIRED:ALL_LOADS, L1D:REPLACEMENT, L2_RQSTS:ALL_CODE_RD, L2_RQSTS:ALL_DEMAND_REFERENCES, L2_RQSTS:CODE_RD_MISS, LLC_REFERENCES, LLC_MISSES, L1D_W_A = L1D_W_H, L1D_R_H, L2D_H, L3D_A, L3_H, MEM

Annotations: 26.2, 52.3

A. Comparing 370.mgrid331-tsan-noread variant with base for region ImplTaskRegion8

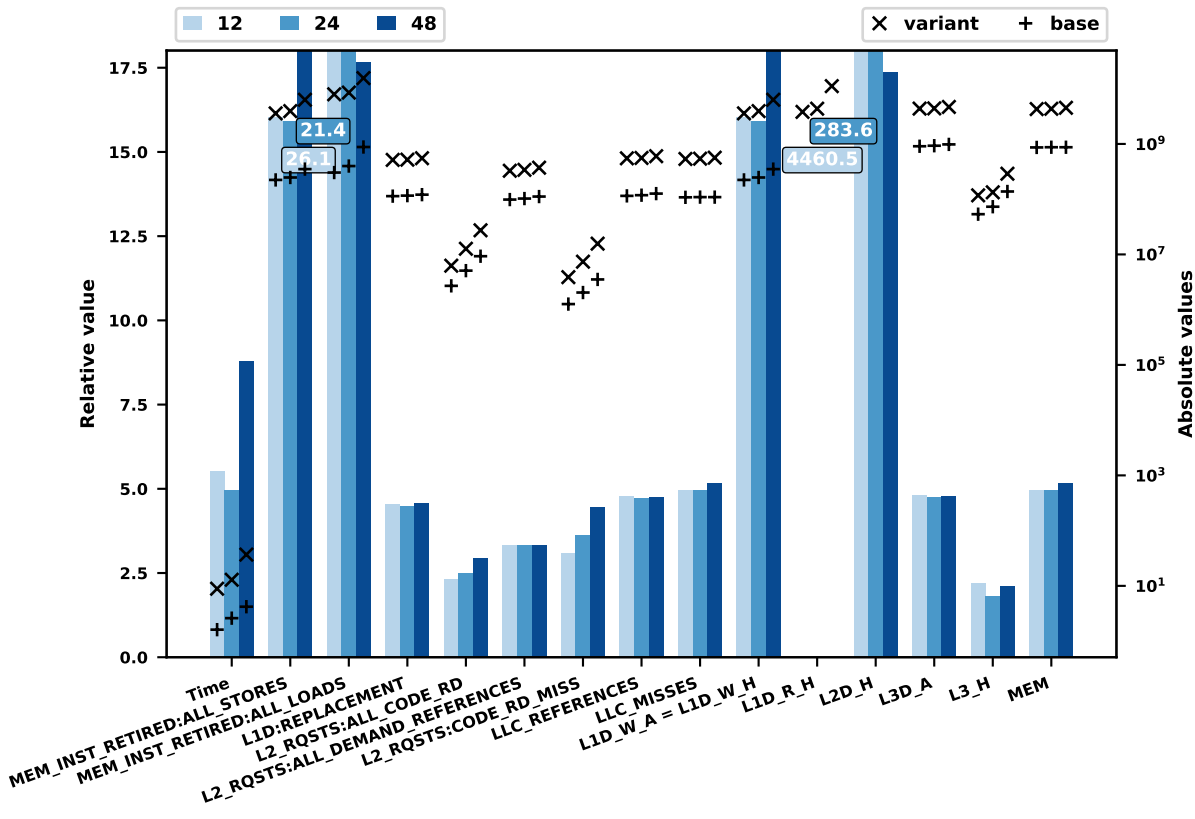**A. Comparing 370.mgrid331-archer-noread variant with base for region ImplTaskRegion8**

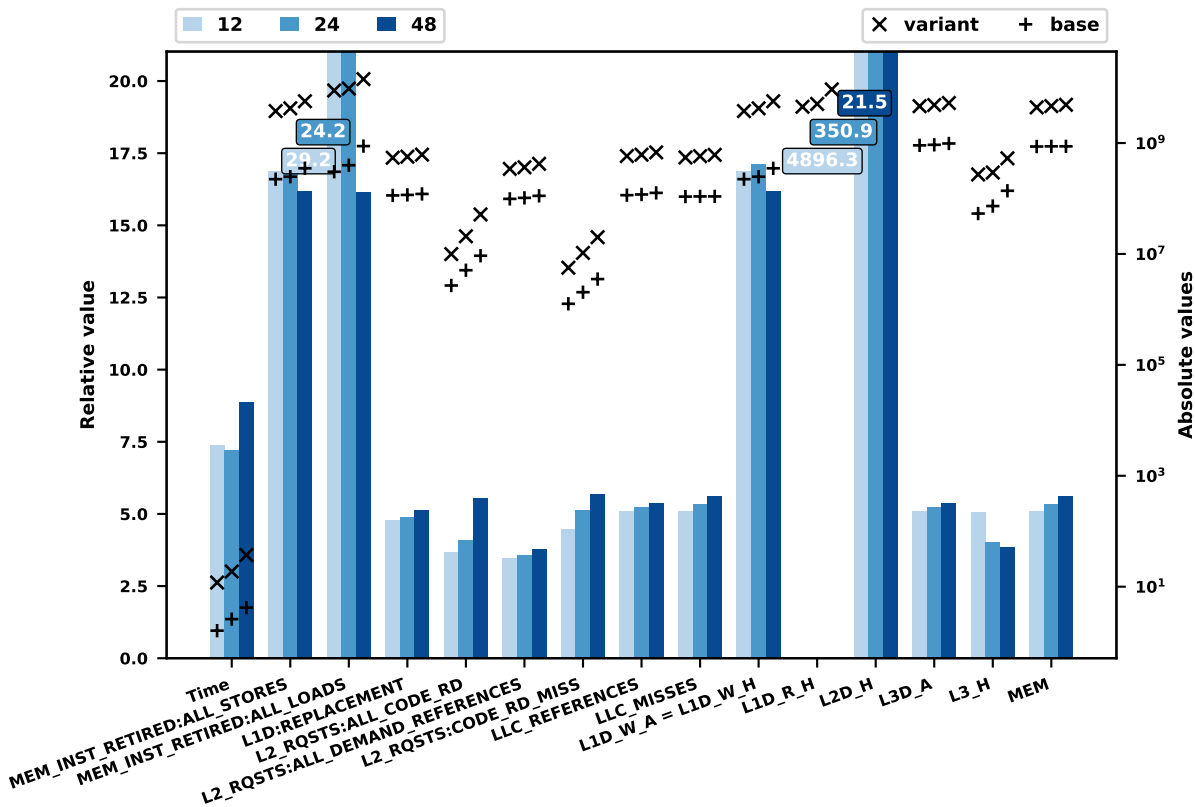**A. Comparing 370.mgrid331-tsan-sampling variant with base for region ImplTaskRegion8**

A. Comparing 370.mgrid331-archer-sampling variant with base for region ImplTaskRegion8
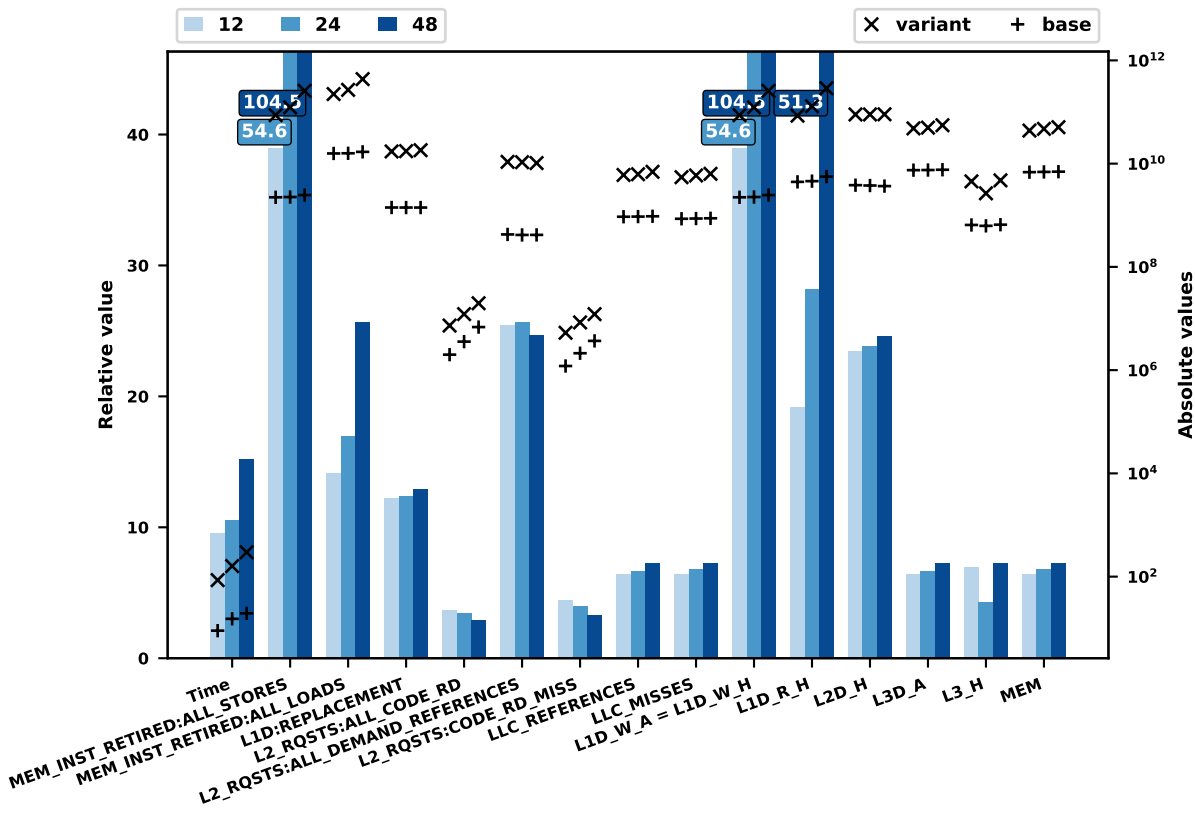
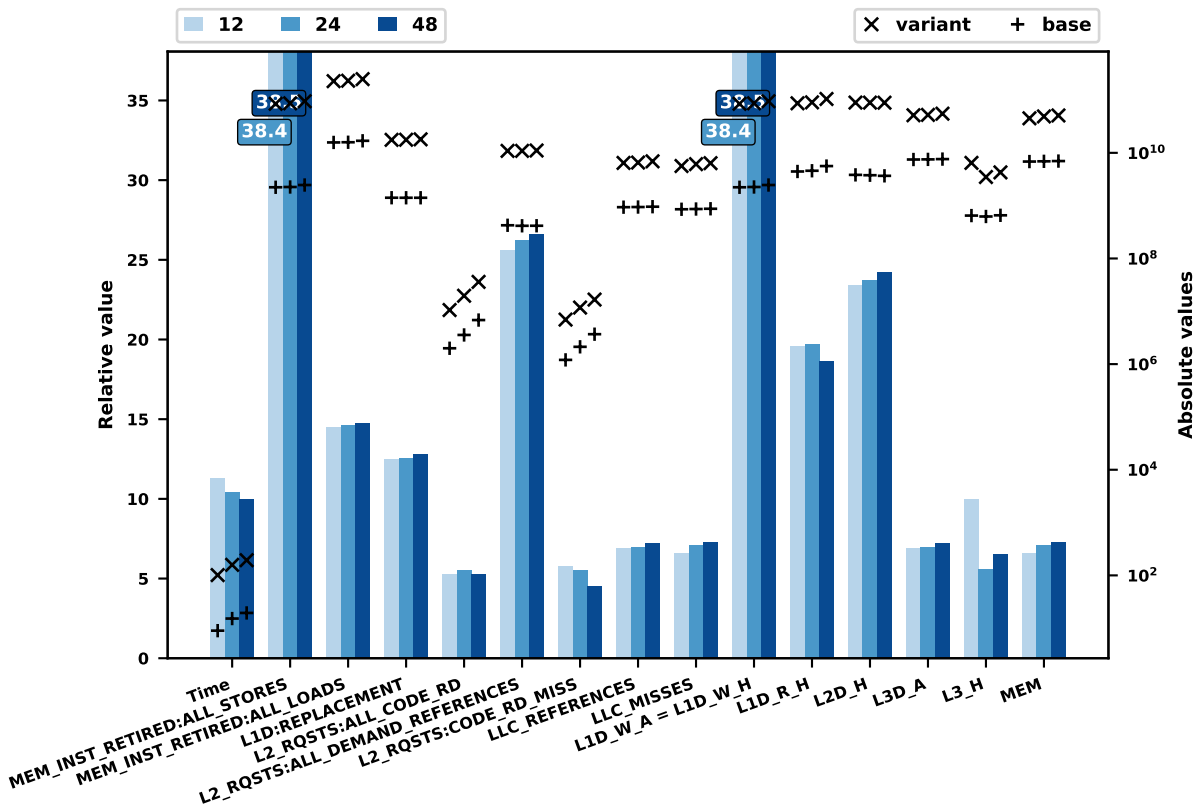A. Comparing 370.mgrid331-tsan variant
with base for region ImplTaskRegion8

A. Comparing 370.mgrid331-archer variant with base for region ImplTaskRegion8
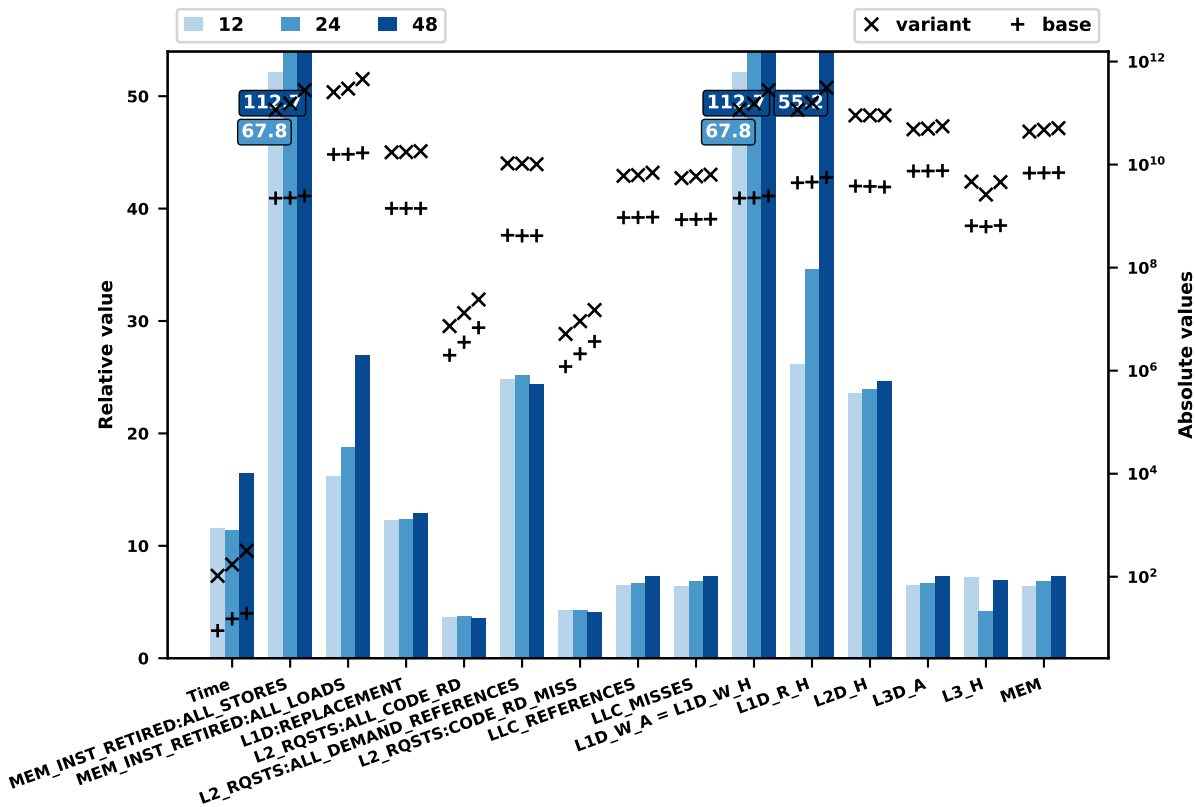
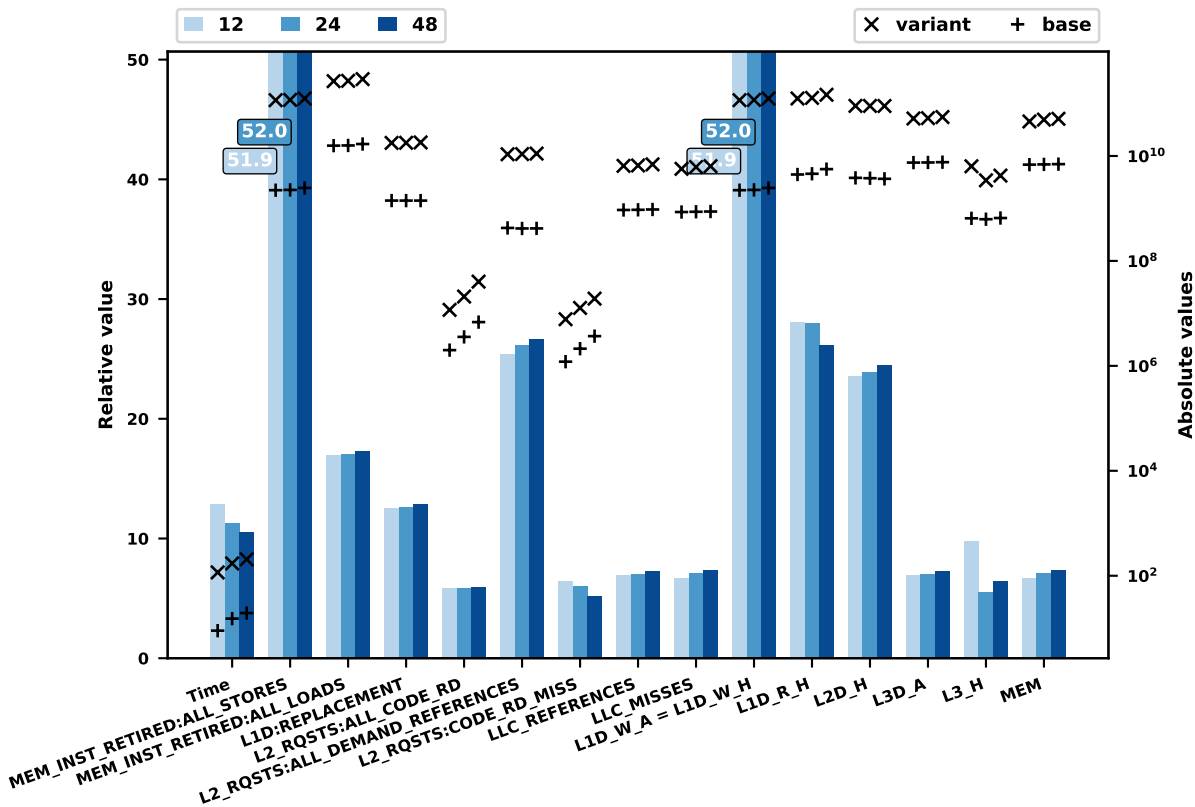**A. Comparing 370.mgrid331-tsan-noread variant with base for region ImplTaskRegion9**

A. Comparing 370.mgrid331-archer-noread variant with base for region ImplTaskRegion9
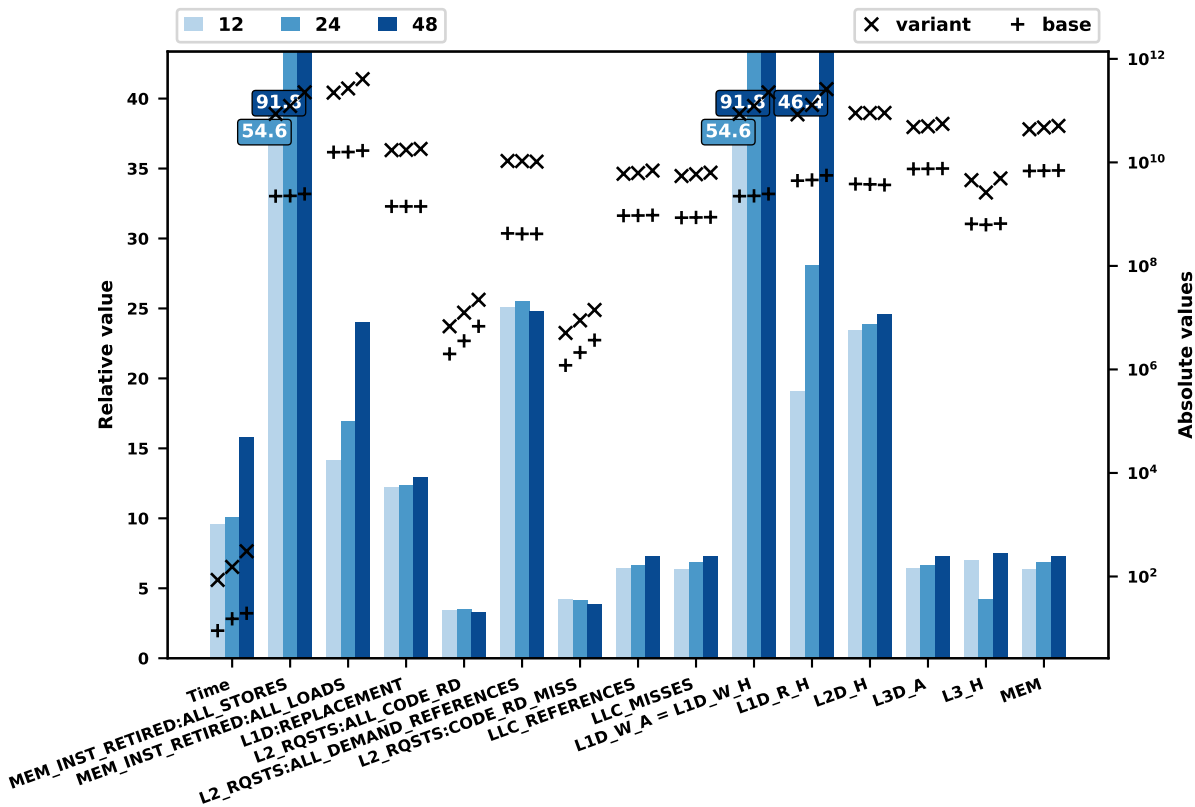
A. Comparing 370.mgrid331-tsan-sampling variant with base for region ImplTaskRegion9

A. Comparing 370.mgrid331-archer-sampling variant with base for region ImplTaskRegion9

A. Comparing 370.mgrid331-tsan variant with base for region ImplTaskRegion9

A. Comparing 370.mgrid331-archer variant with base for region ImplTaskRegion9

A. Comparing 370.mgrid331-tsan-noread variant with base for region ImplTaskRegion10

A. Comparing 370.mgrid331-archer-noread variant with base for region ImplTaskRegion10

A. Comparing 370.mgrid331-tsan-sampling variant with base for region ImplTaskRegion10
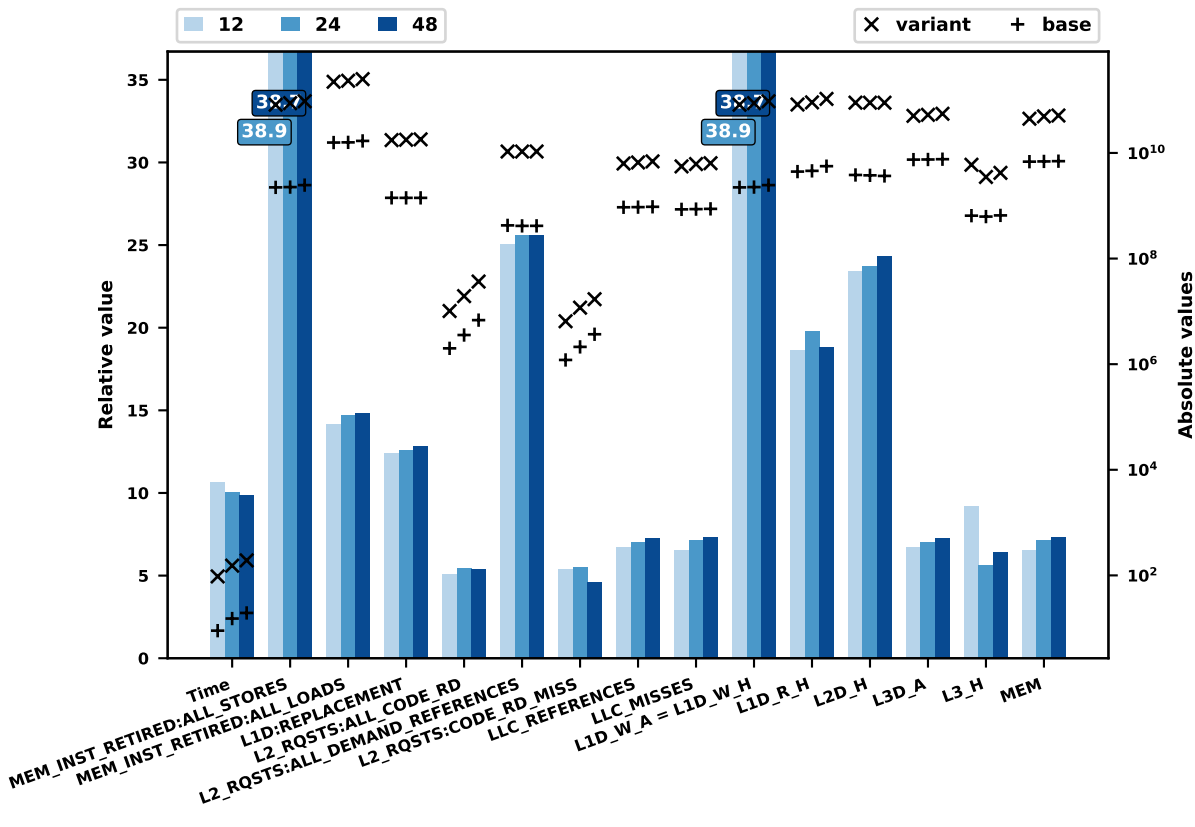
A. Comparing 370.mgrid331-archer-sampling variant with base for region ImplTaskRegion10
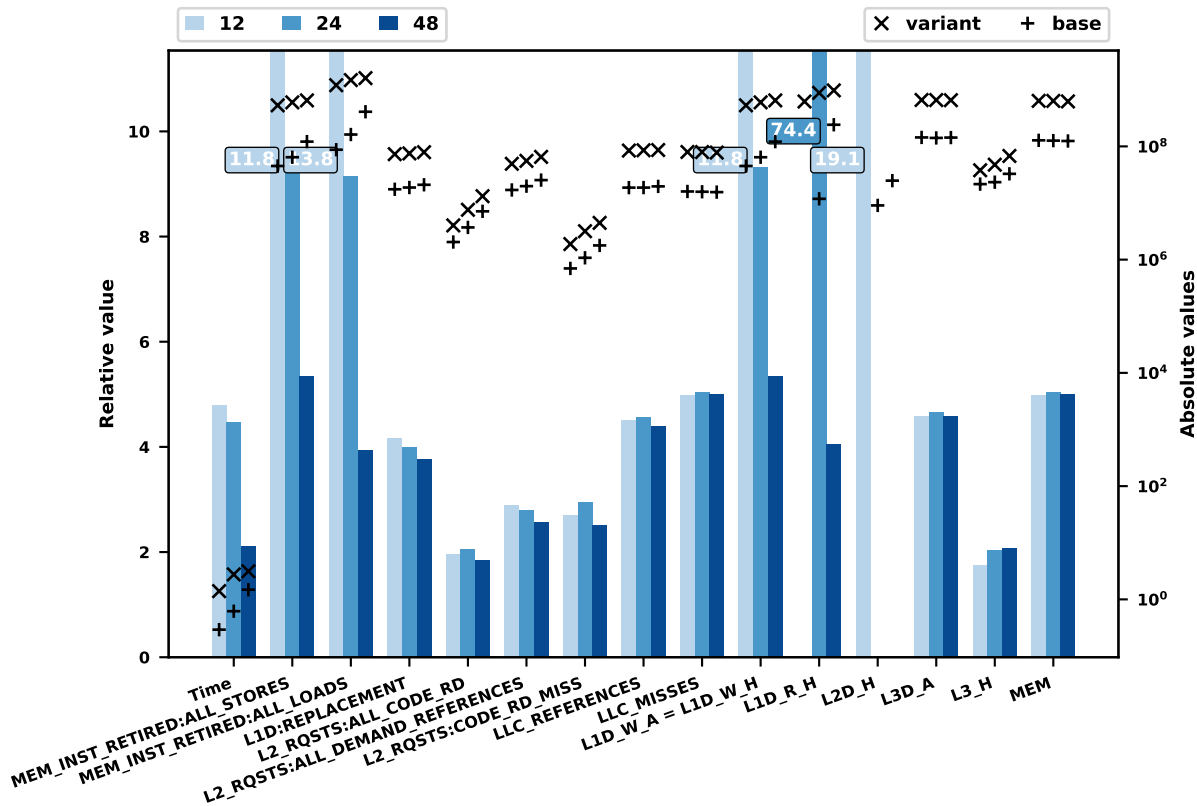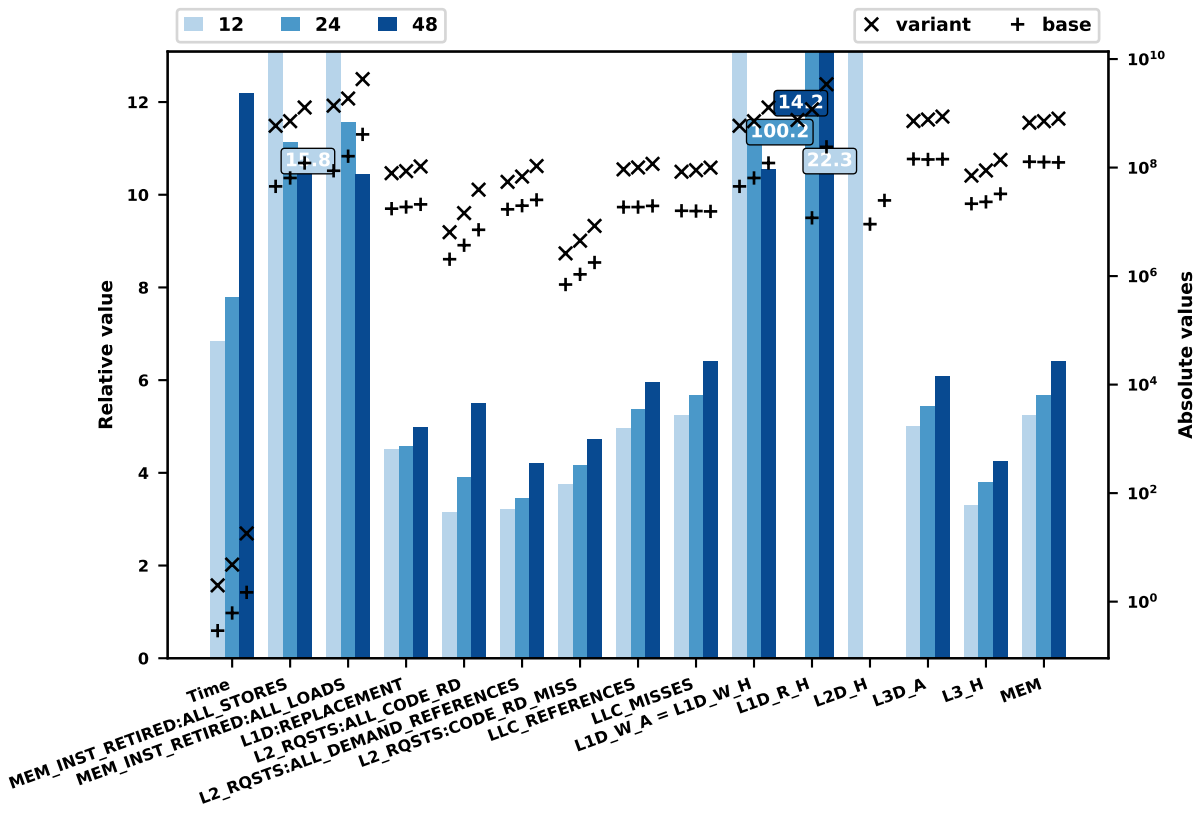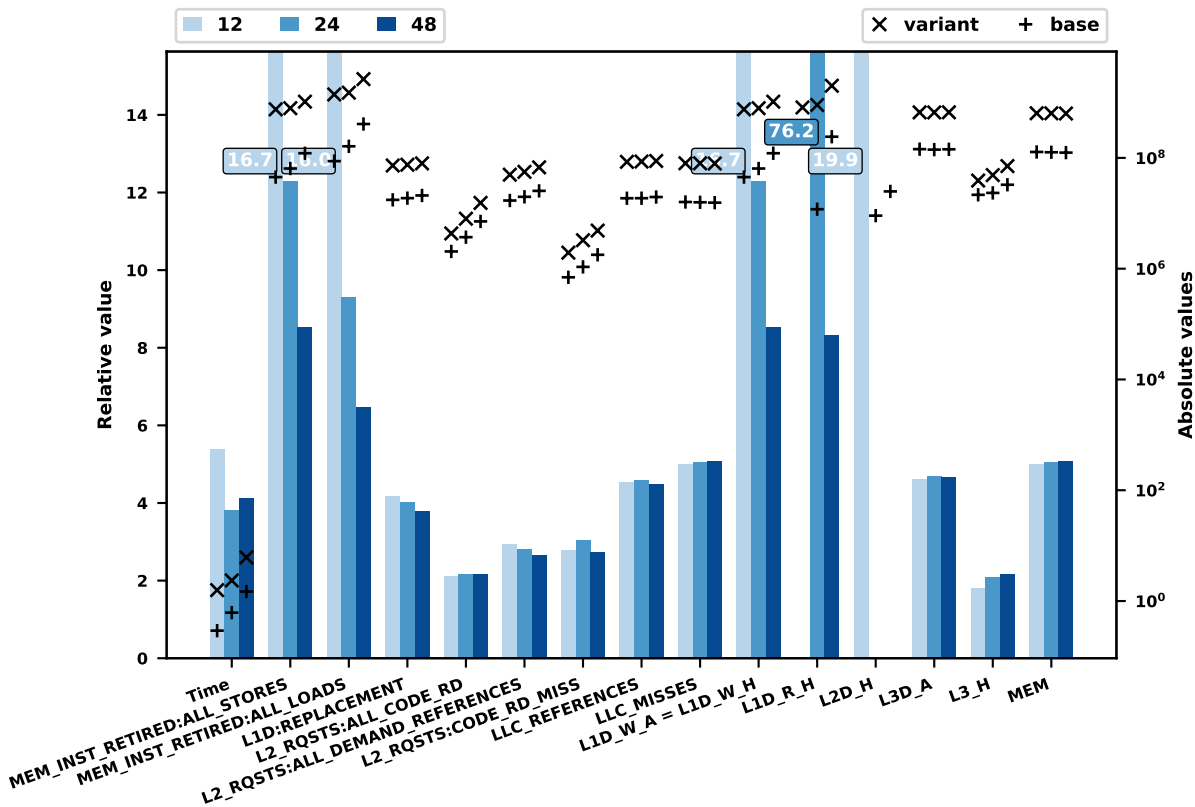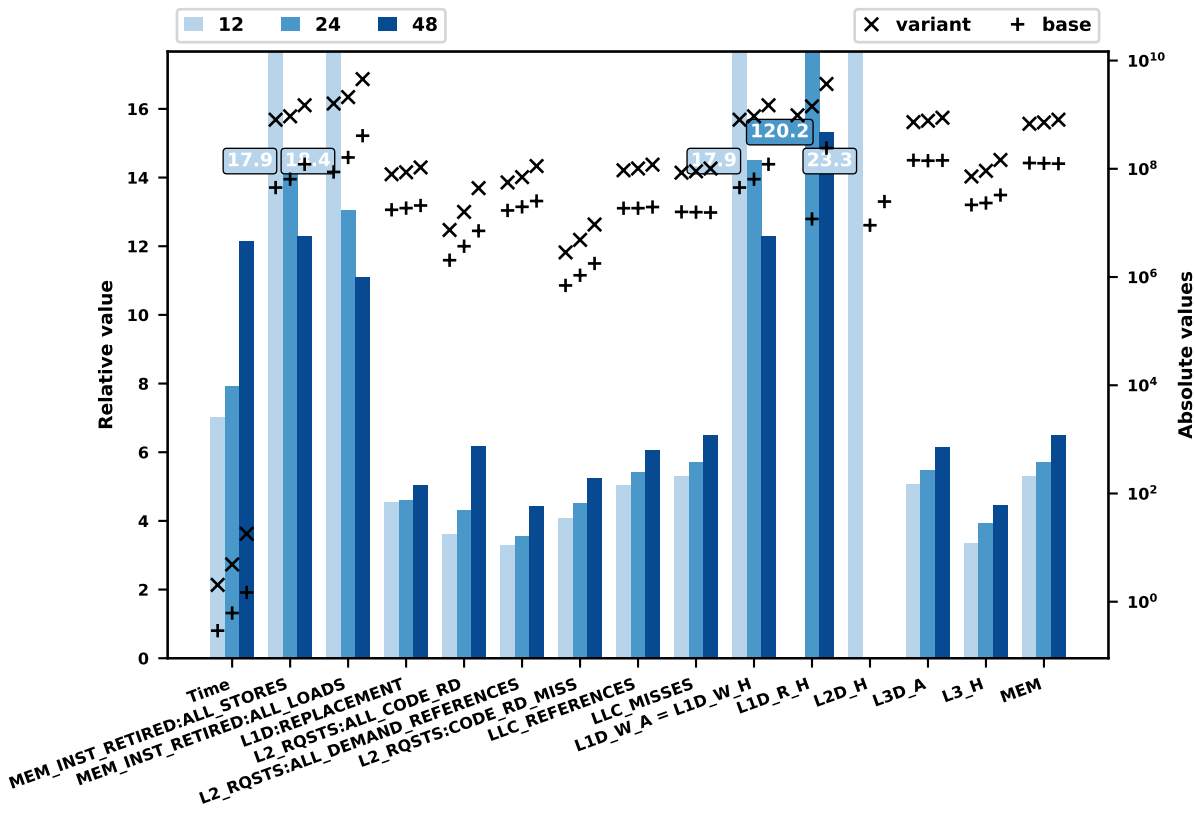
Legend: 12, 24, 48 | × variant, + base

Y-axis (left): Relative value
Y-axis (right): Absolute values

Annotations: 29.1, 36.3, 332.9, 5107.8

X-axis categories:
- Time
- MEM_INST_RETIRED:ALL_STORES
- MEM_INST_RETIRED:ALL_LOADS
- L1D:REPLACEMENT
- L2_RQSTS:ALL_CODE_RD
- L2_RQSTS:ALL_DEMAND_REFERENCES
- L2_RQSTS:CODE_RD_MISS
- LLC_REFERENCES
- LLC_MISSES
- L1D_W_A = L1D_W_H
- L1D_R_H
- L2D_H
- L3D_A
- L3_H
- MEM

A. Comparing 370.mgrid331-tsan variant with base for region ImplTaskRegion10

Legend: 12, 24, 48 | × variant + base

Y-axis (left): Relative value
Y-axis (right): Absolute values

X-axis categories:
Time, MEM_INST_RETIRED:ALL_STORES, MEM_INST_RETIRED:ALL_LOADS, L1D:REPLACEMENT, L2_RQSTS:ALL_CODE_RD, L2_RQSTS:ALL_DEMAND_REFERENCES, L2_RQSTS:CODE_RD_MISS, LLC_REFERENCES, LLC_MISSES, L1D_W_A = L1D_W_H, L1D_R_H, L2D_H, L3D_A, L3_H, MEM

Annotated values: 21.4, 26.1, 283.6, 4460.5

A. Comparing 370.mgrid331-archer variant with base for region ImplTaskRegion10

Legend: 12, 24, 48 — × variant, + base

A. Comparing 370.mgrid331-tsan-noread variant with base for region ImplTaskRegion11

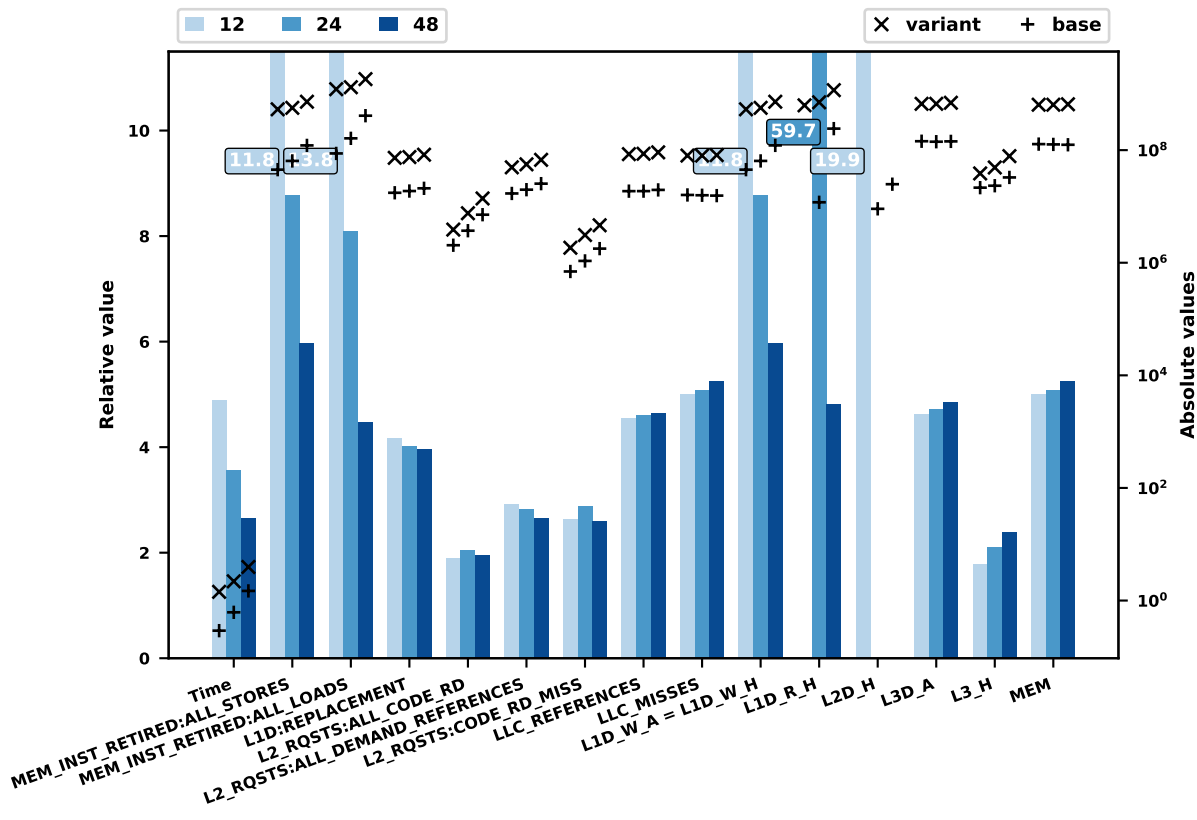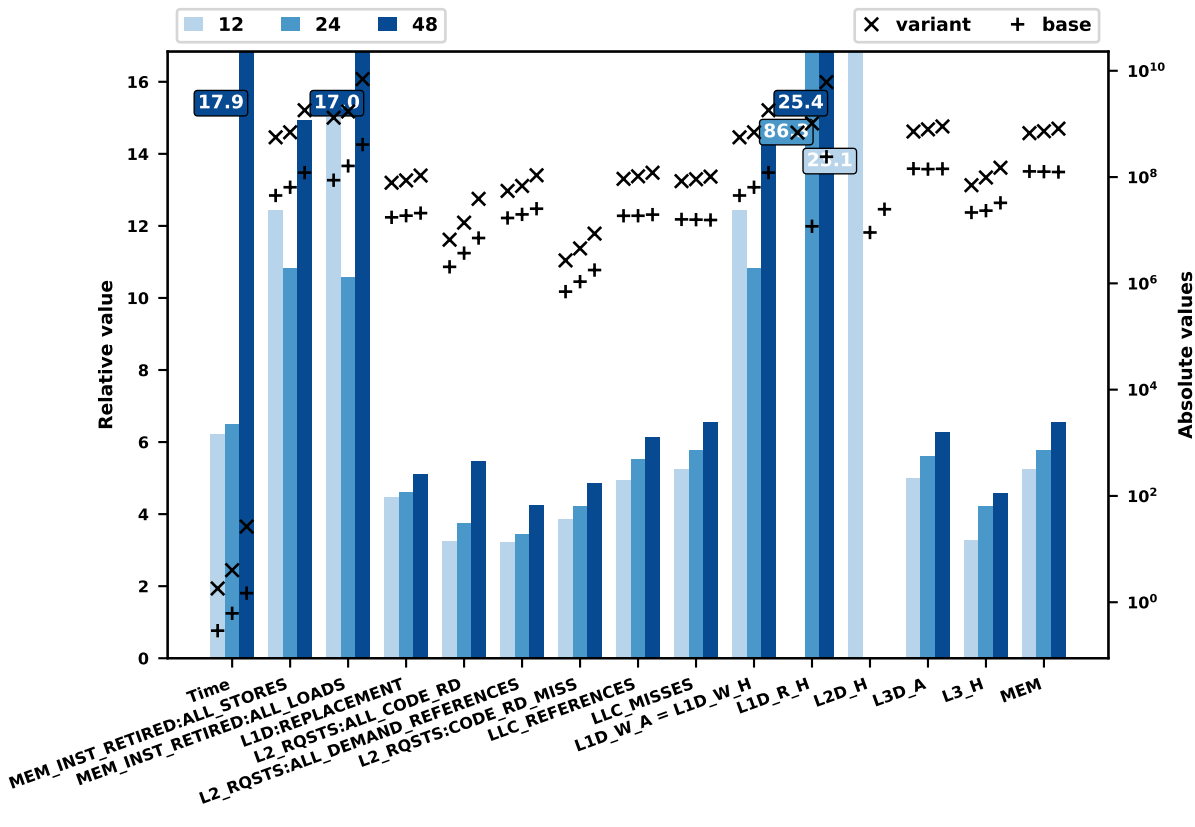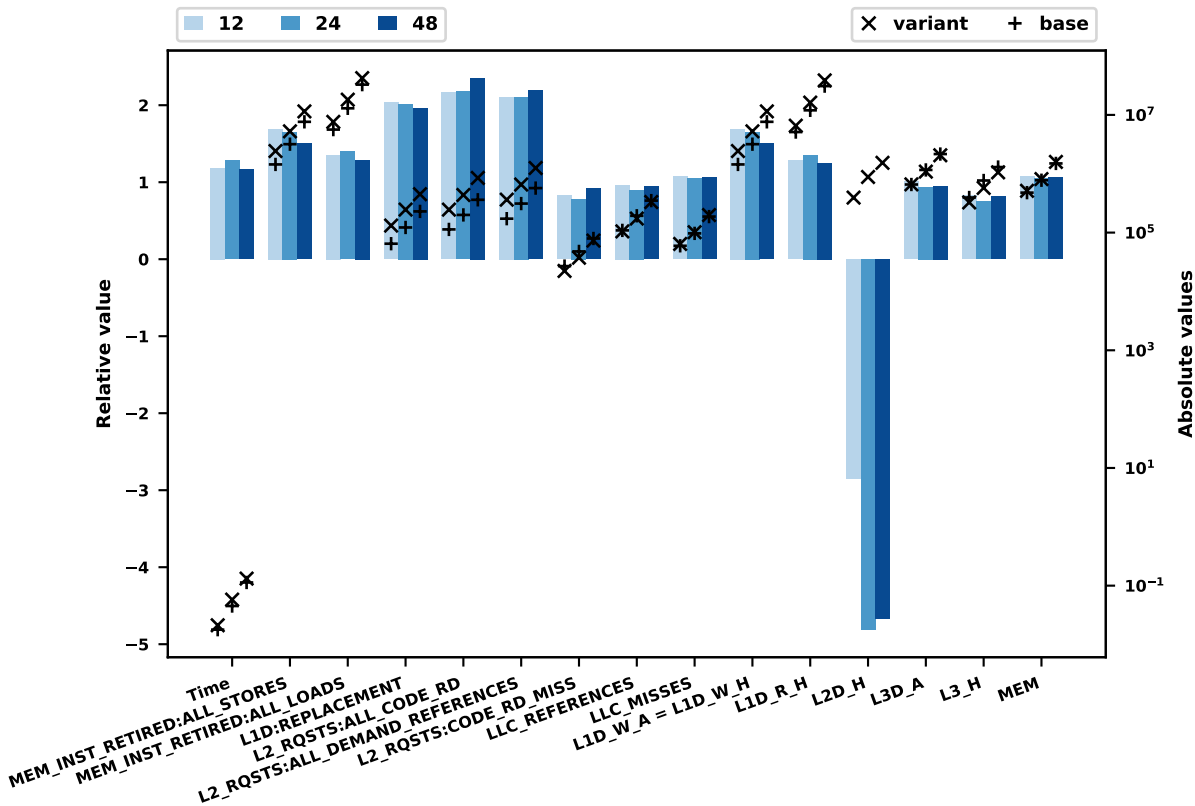**A. Comparing 370.mgrid331-archer-noread variant with base for region ImplTaskRegion11**

Legend: 12, 24, 48 | × variant + base

X-axis categories: Time, MEM_INST_RETIRED:ALL_STORES, MEM_INST_RETIRED:ALL_LOADS, L1D:REPLACEMENT, L2_RQSTS:ALL_CODE_RD, L2_RQSTS:ALL_DEMAND_REFERENCES, L2_RQSTS:CODE_RD, LLC_REFERENCES, CODE_RD_MISS, LLC_MISSES, L1D_W_A = L1D_W_H, L1D_R_H, L2D_H, L3D_A, L3_H, MEM

A. Comparing 370.mgrid331-tsan-sampling variant with base for region ImplTaskRegion11

A. Comparing 370.mgrid331-archer-sampling variant with base for region ImplTaskRegion11

A. Comparing 370.mgrid331-tsan variant with base for region ImplTaskRegion11
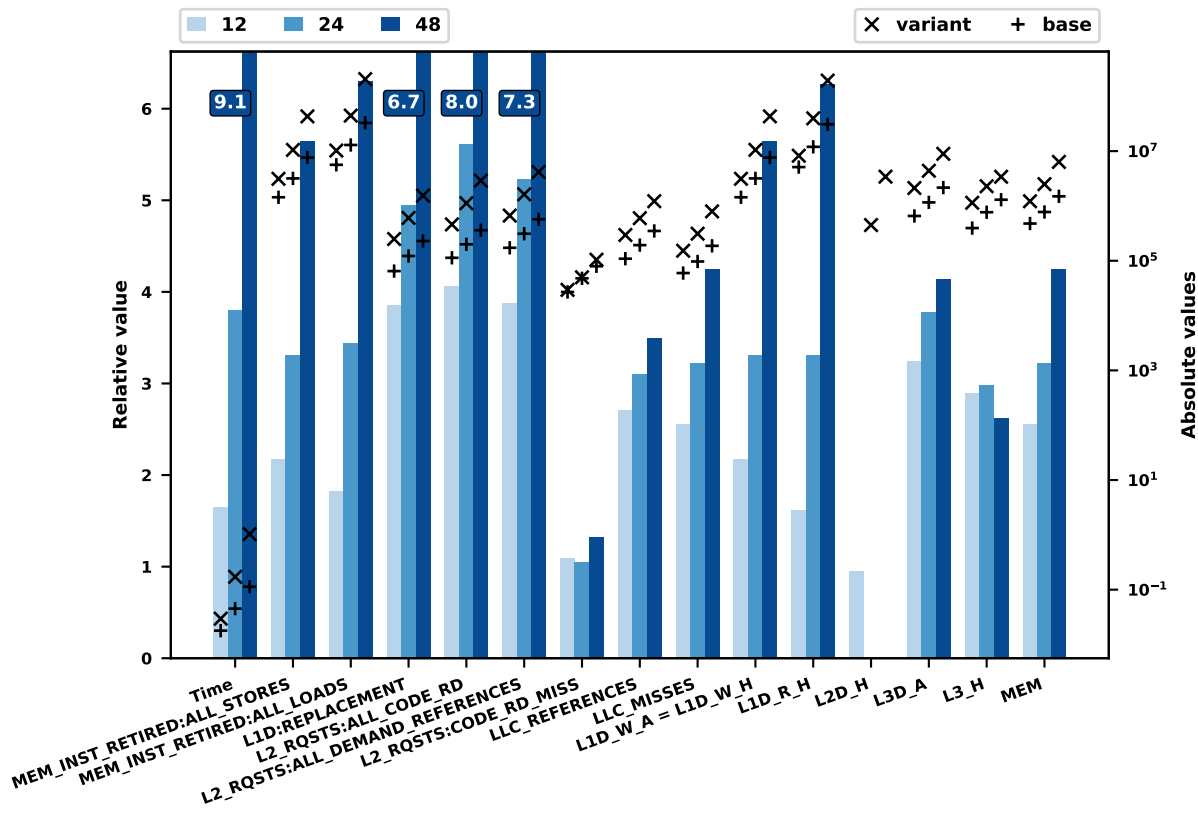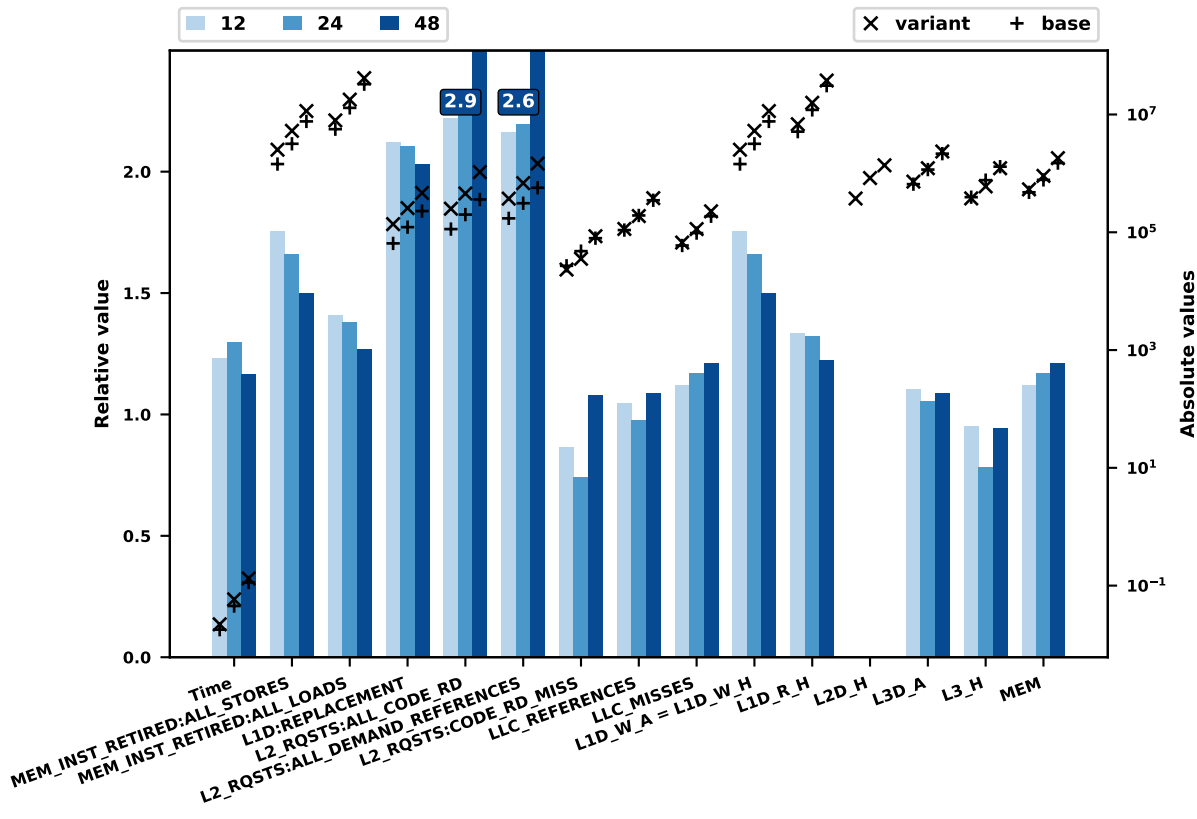
Legend: 12, 24, 48 | × variant + base

A. Comparing 370.mgrid331-archer variant with base for region ImplTaskRegion11

A. Comparing 370.mgrid331-tsan-noread variant with base for region ImplTaskRegion12
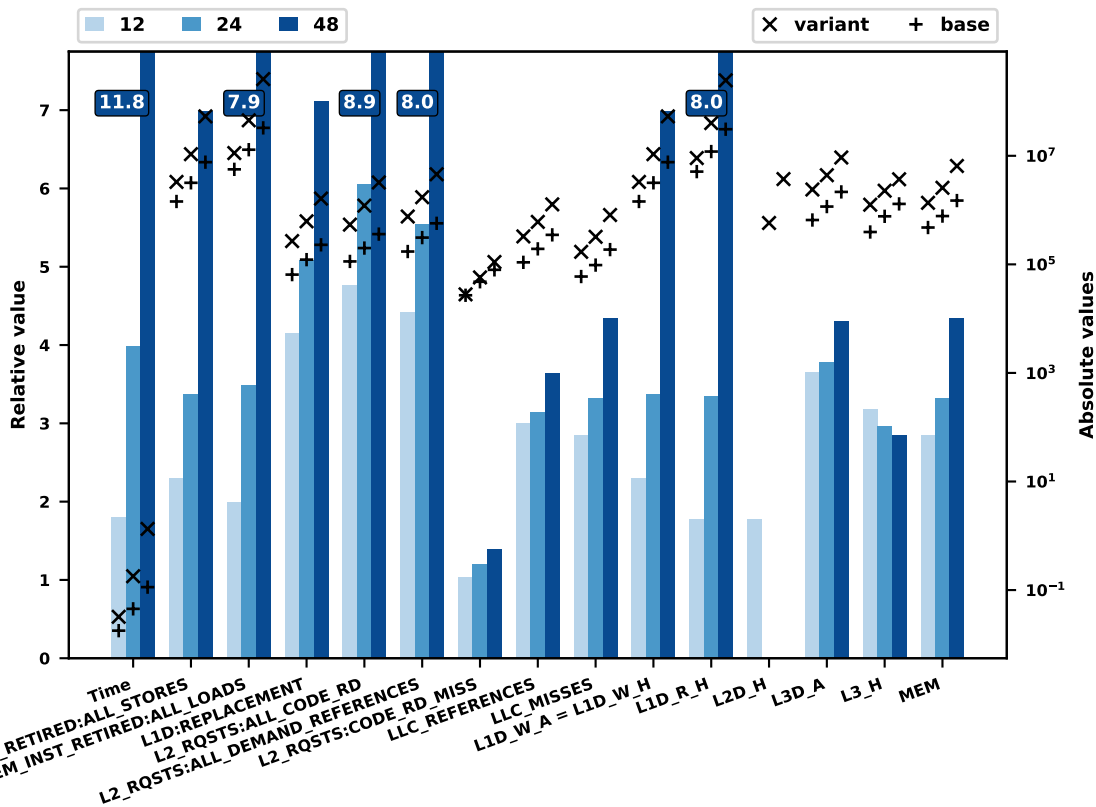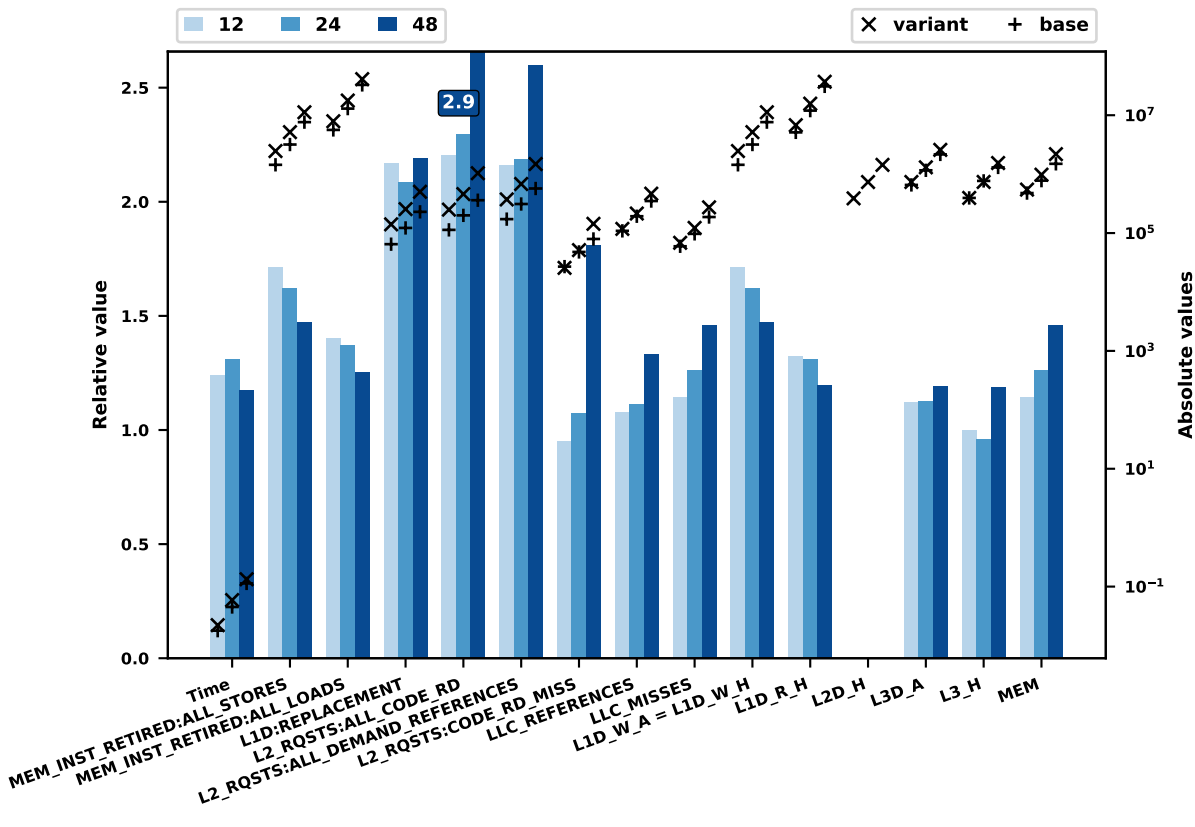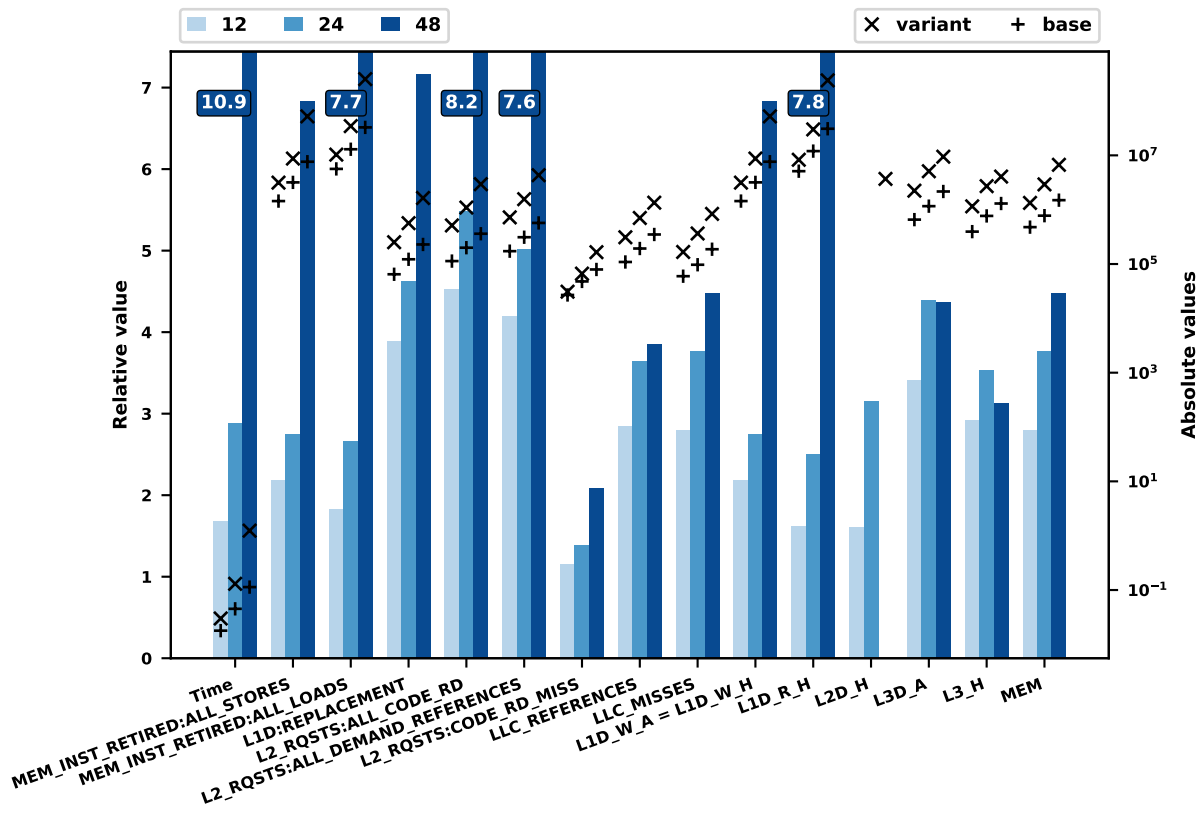
Legend: 12, 24, 48 — × variant, + base

Y-axis (left): Relative value
Y-axis (right): Absolute values

X-axis categories: Time, MEM_INST_RETIRED:ALL_STORES, MEM_INST_RETIRED:ALL_LOADS, L1D:REPLACEMENT, L2_RQSTS:ALL_CODE_RD, L2_RQSTS:ALL_DEMAND_REFERENCES, L2_RQSTS:CODE_RD_MISS, LLC_REFERENCES, LLC_MISSES, L1D_W_A = L1D_W_H, L1D_R_H, L2D_H, L3D_A, L3_H, MEM

Annotated values: 11.8, 5.8, 14.8, 74.4, 19.1

A. Comparing 370.mgrid331-archer-noread variant with base for region ImplTaskRegion12

A. Comparing 370.mgrid331-tsan-sampling variant with base for region ImplTaskRegion12

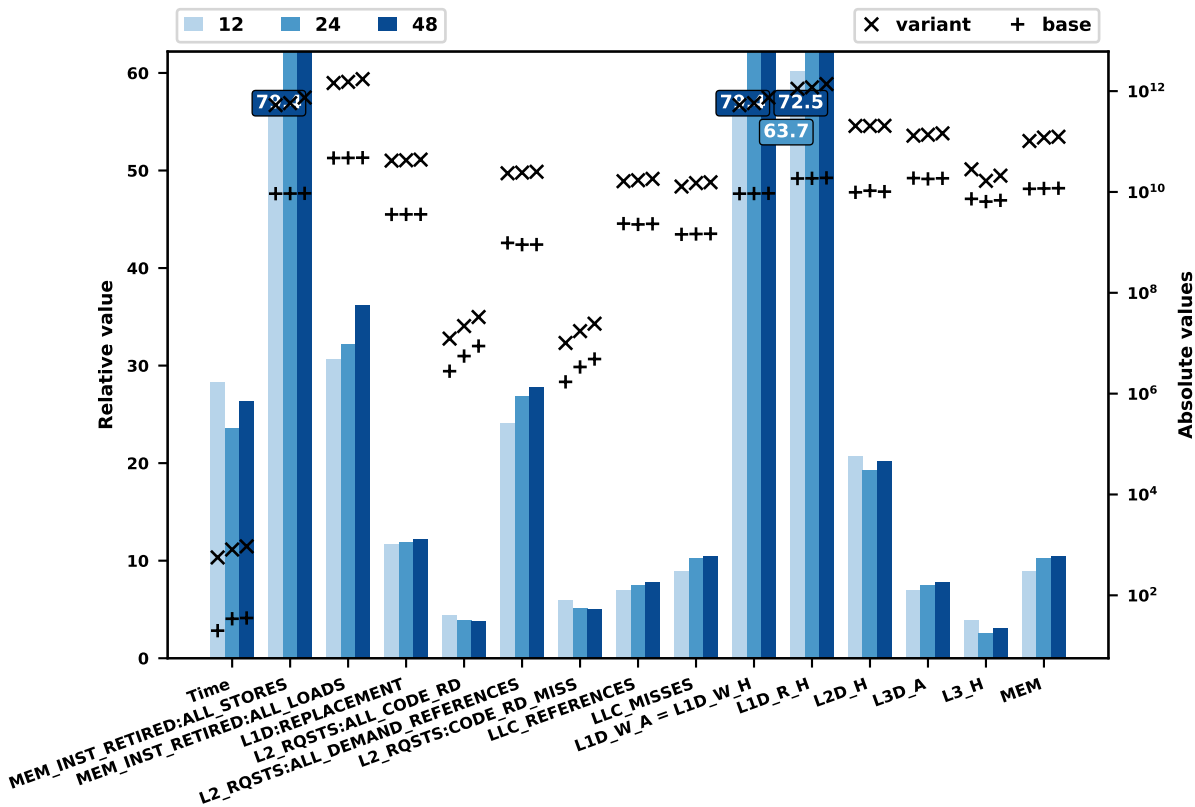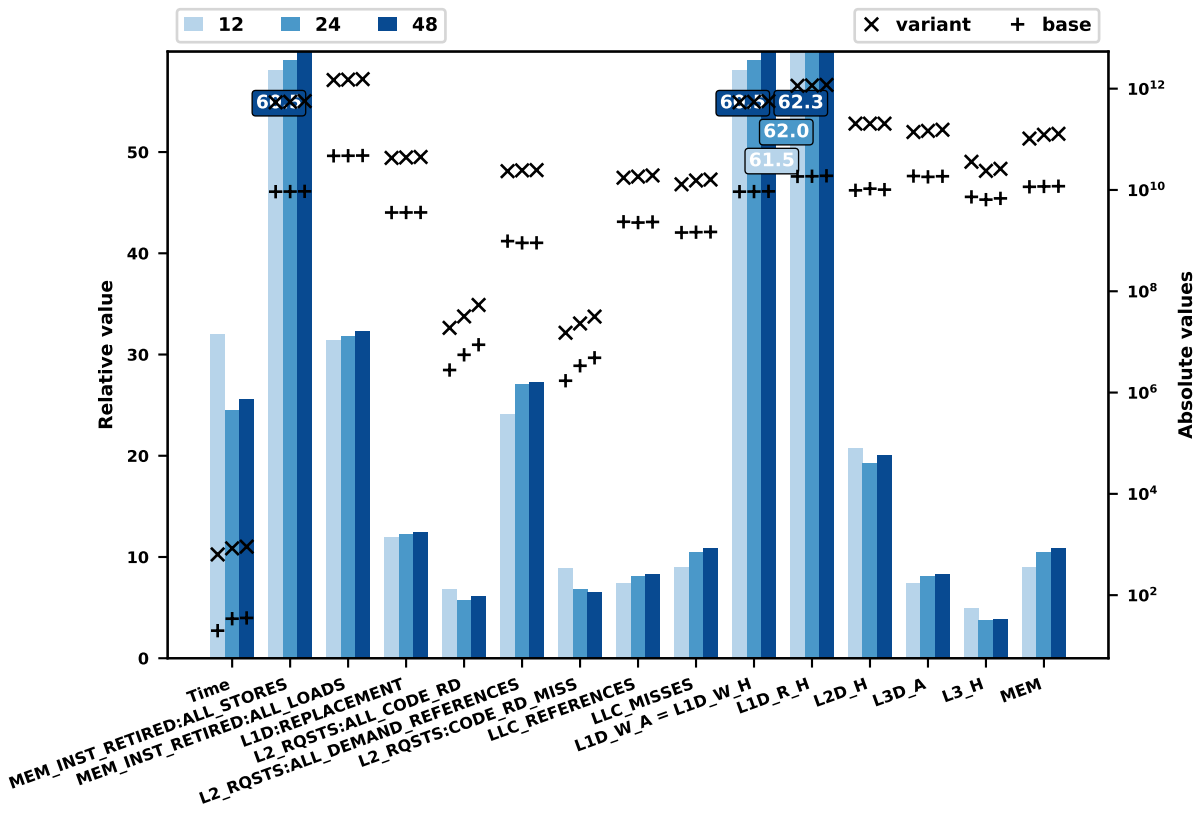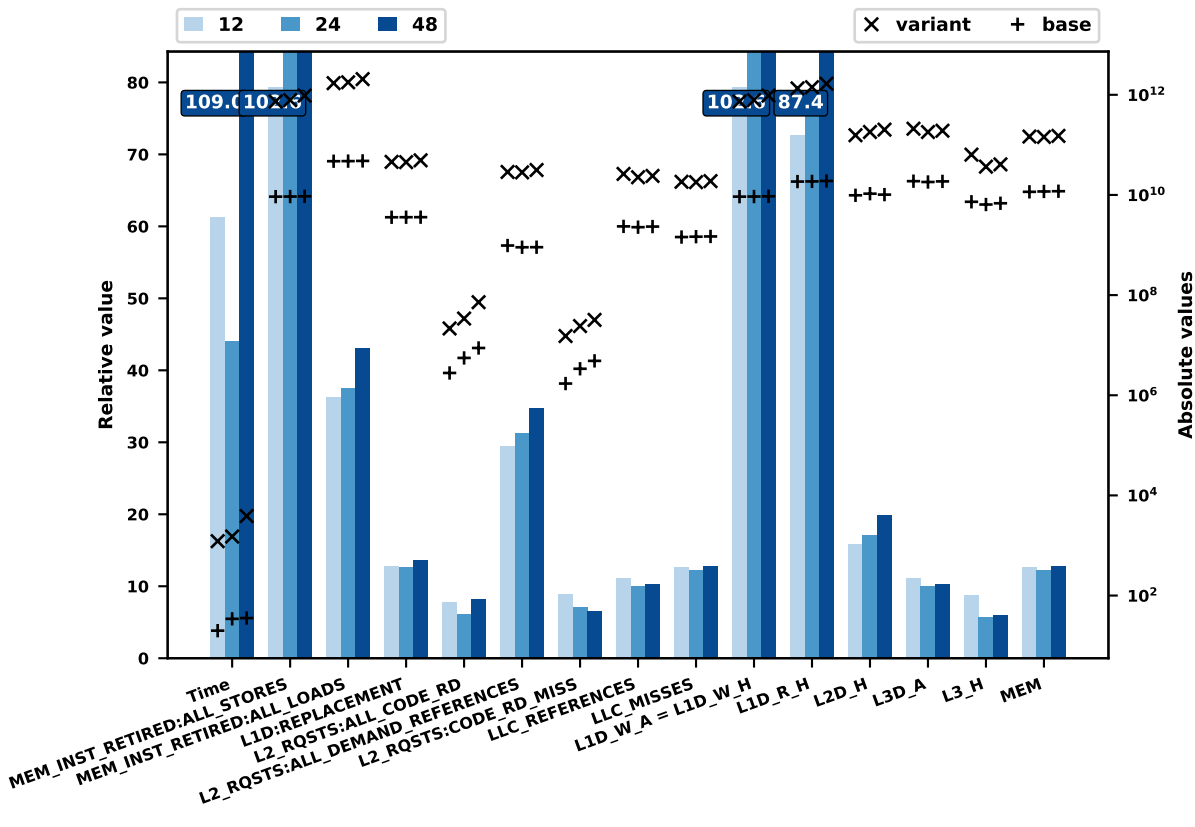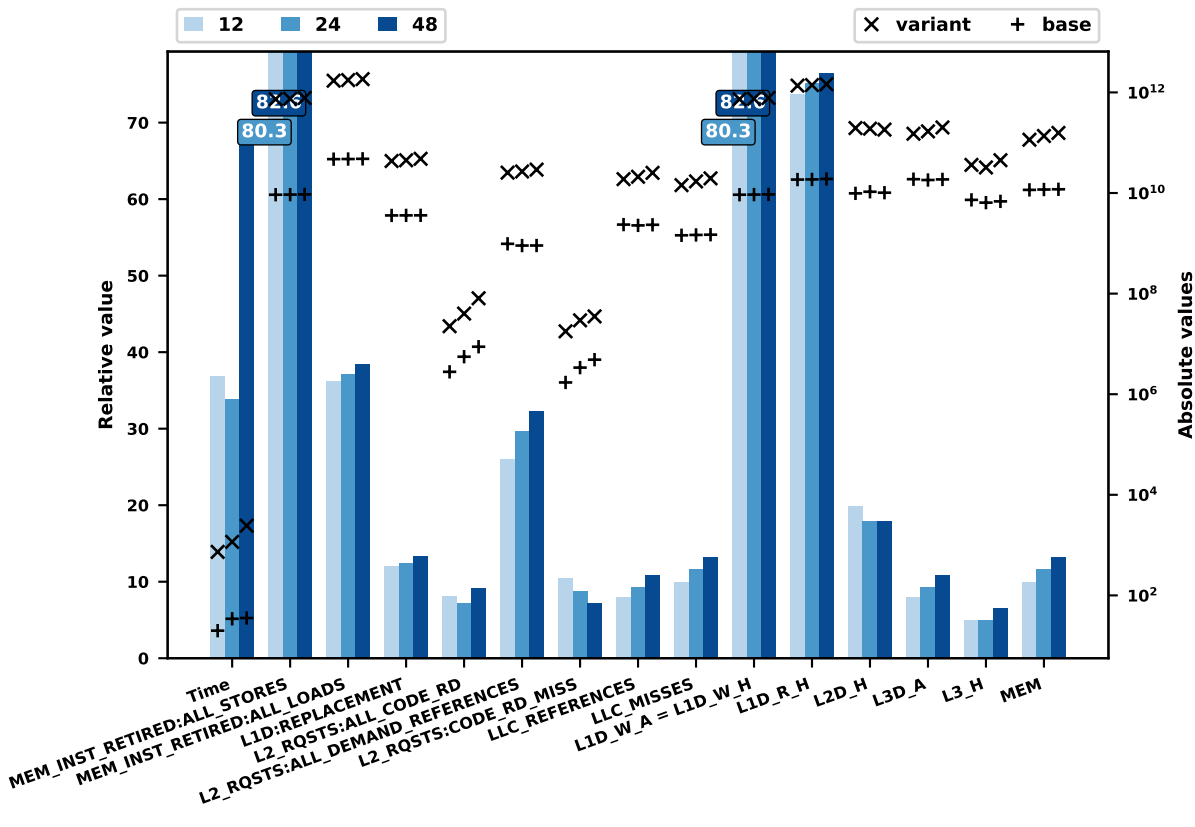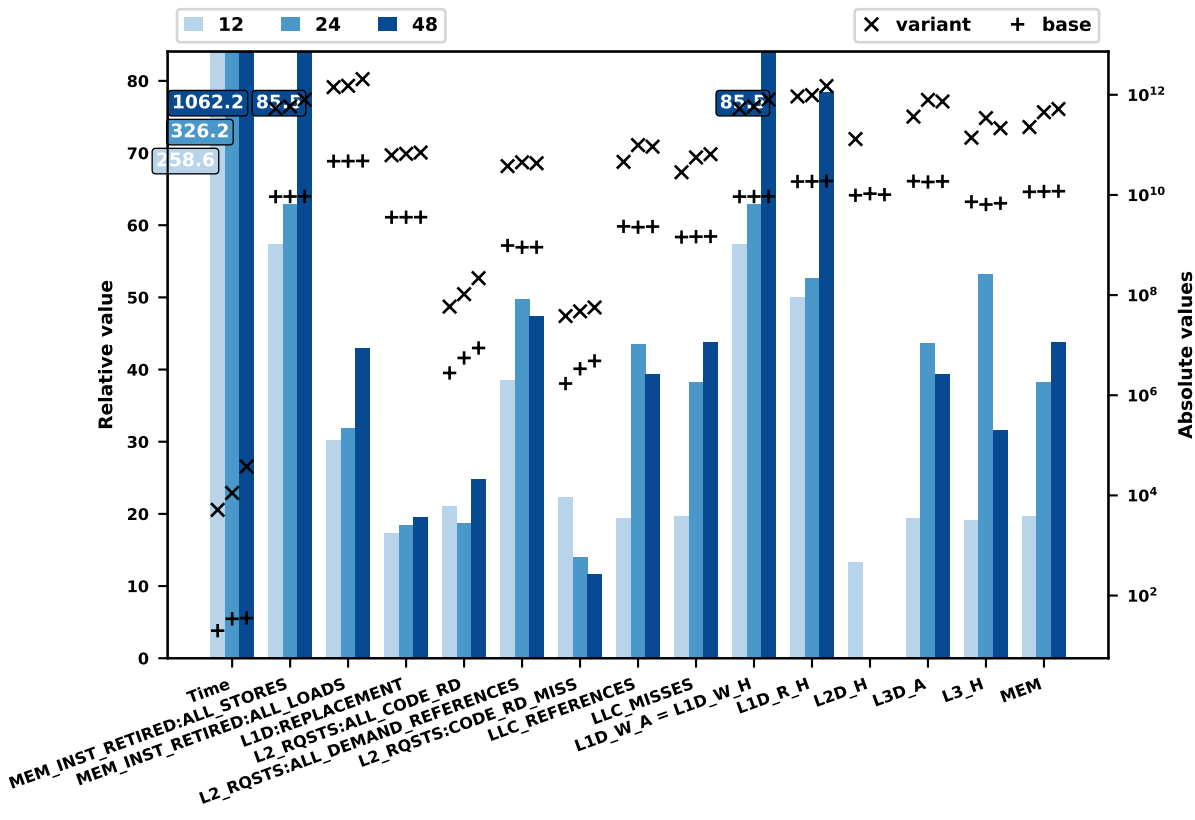**A. Comparing 370.mgrid331-archer-sampling variant with base for region ImplTaskRegion12**

Legend: 12, 24, 48 | × variant + base

X-axis labels: Time, MEM_INST_RETIRED:ALL_STORES, MEM_INST_RETIRED:ALL_LOADS, L1D:REPLACEMENT, L2_RQSTS:ALL_CODE_RD, L2_RQSTS:ALL_DEMAND_REFERENCES, L2_RQSTS:CODE_RD_MISS, LLC_REFERENCES, LLC_MISSES, L1D_W_A = L1D_W_H, L1D_R_H, L2D_H, L3D_A, L3_H, MEM

Y-axis (left): Relative value
Y-axis (right): Absolute values

Annotated values: 17.9, 10.4, 17.9, 120.2, 23.3

A. Comparing 370.mgrid331-tsan variant with base for region ImplTaskRegion12

Legend: 12, 24, 48 (bar colors); × variant, + base

X-axis categories: Time, MEM_INST_RETIRED:ALL_STORES, MEM_INST_RETIRED:ALL_LOADS, L1D:REPLACEMENT, L2_RQSTS:ALL_CODE_RD, L2_RQSTS:ALL_DEMAND_REFERENCES, L2_RQSTS:CODE_RD_MISS, LLC_REFERENCES, LLC_MISSES, L1D_W_A = L1D_W_H, L1D_R_H, L2D_H, L3D_A, L3_H, MEM

Left Y-axis: Relative value (0 to ~11)
Right Y-axis: Absolute values

Labeled values: 11.8, 13.6, 59.7, 19.9

A. Comparing 370.mgrid331-archer variant with base for region ImplTaskRegion12

Legend: 12, 24, 48; × variant, + base

Y-axis (left): Relative value
Y-axis (right): Absolute values

Labeled values: 17.9, 17.0, 25.4, 86, 23.1

X-axis categories:
Time, MEM_INST_RETIRED:ALL_STORES, MEM_INST_RETIRED:ALL_LOADS, L1D:REPLACEMENT, L2_RQSTS:ALL_CODE_RD, L2_RQSTS:ALL_DEMAND_REFERENCES, L2_RQSTS:CODE_RD_MISS, LLC_REFERENCES, LLC_MISSES, L1D_W_A = L1D_W_H, L1D_R_H, L2D_H, L3D_A, L3_H, MEM
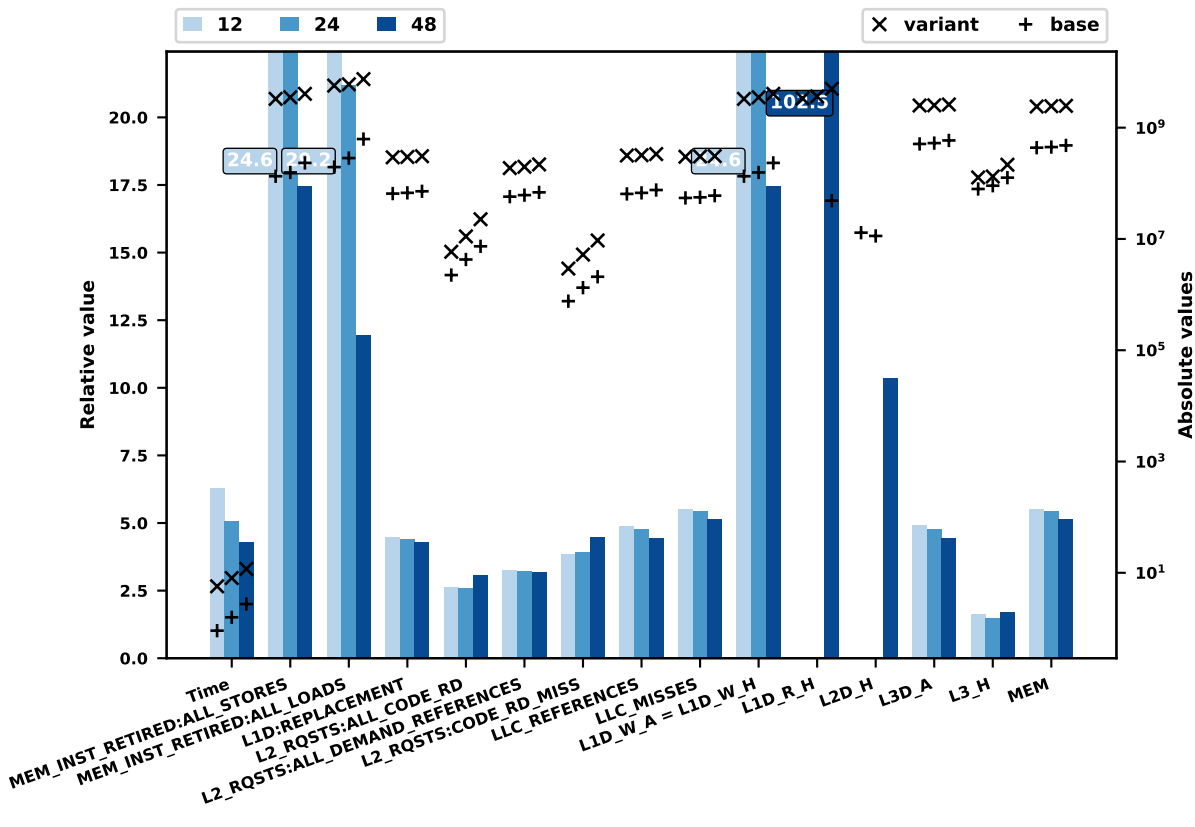
A. Comparing 370.mgrid331-tsan-noread variant with base for region ImplTaskRegion13
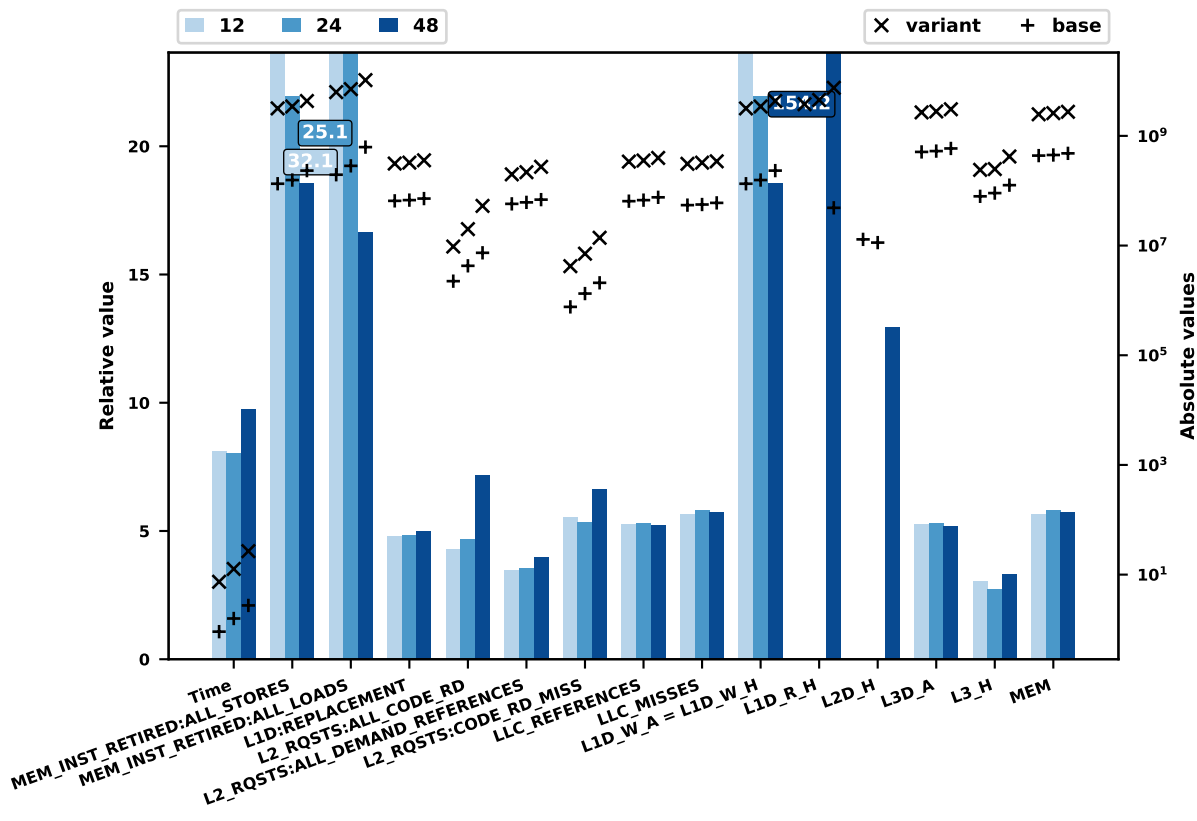
A. Comparing 370.mgrid331-archer-noread variant with base for region ImplTaskRegion13
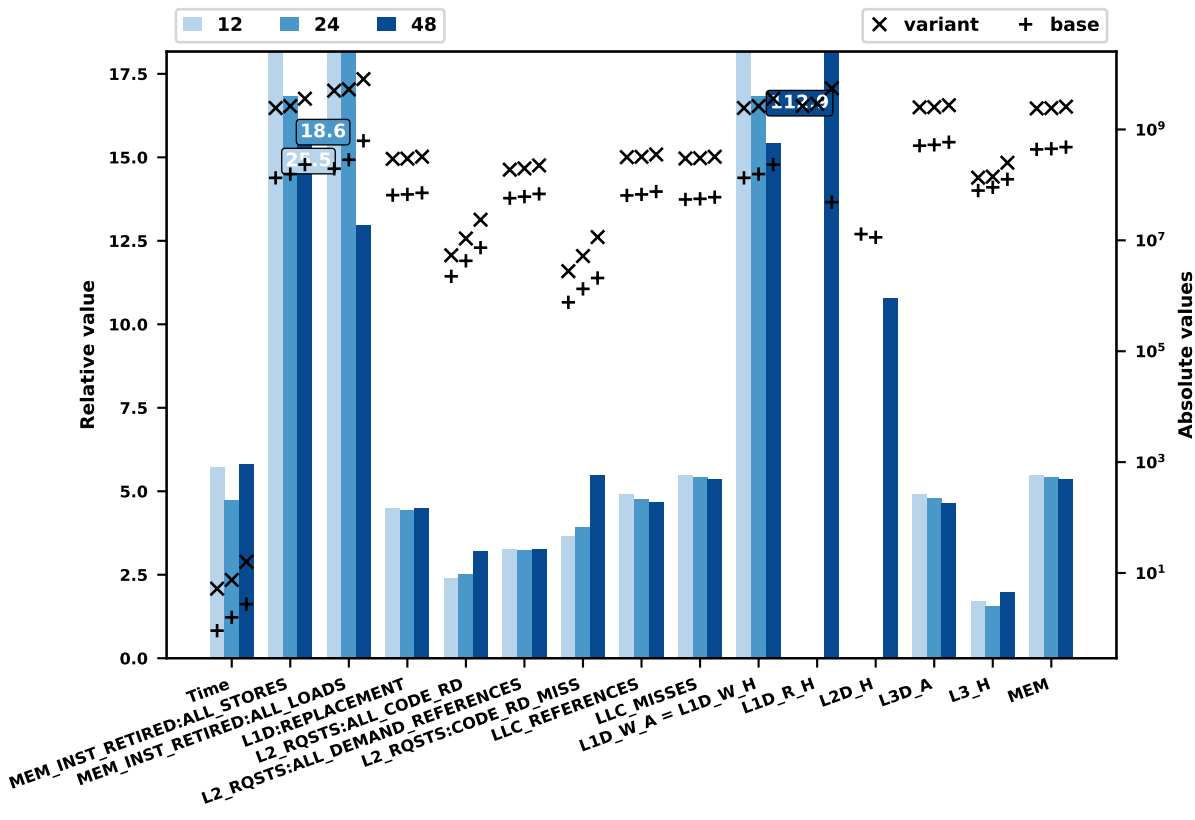
A. Comparing 370.mgrid331-tsan-sampling variant with base for region ImplTaskRegion13
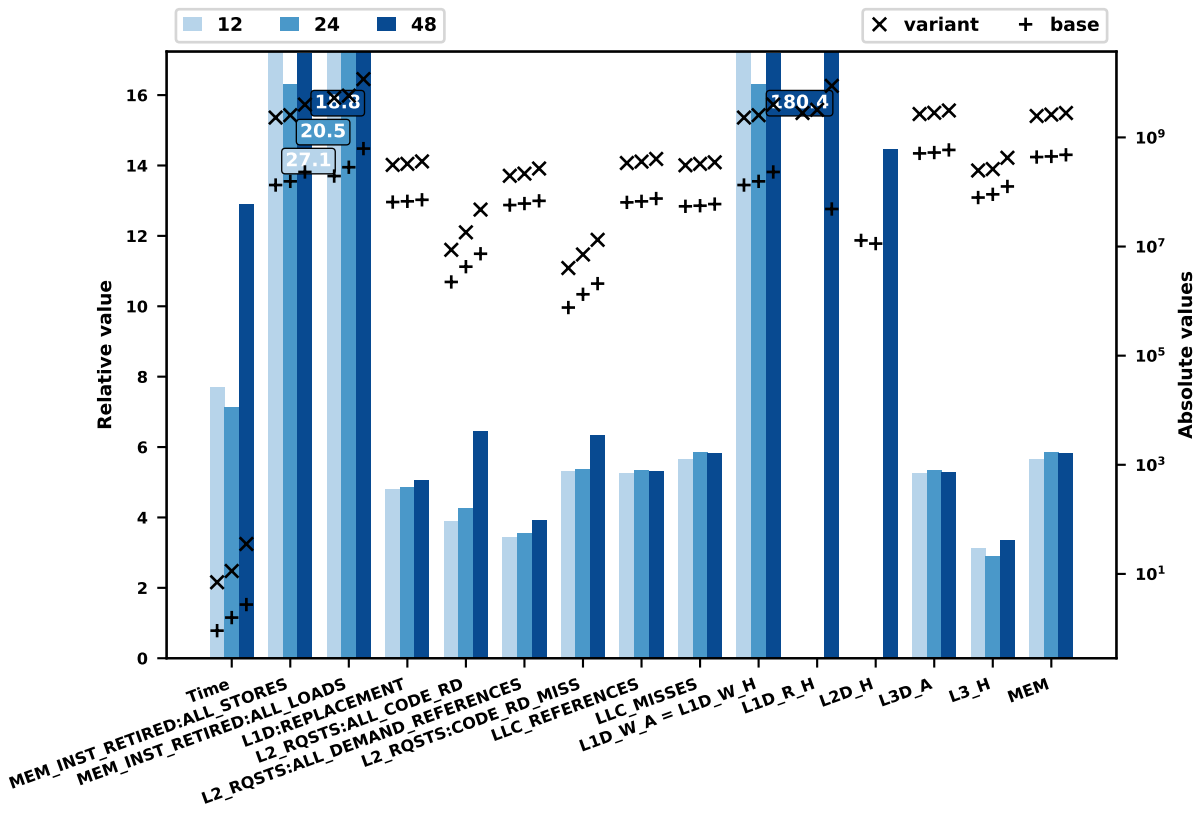
A. Comparing 370.mgrid331-archer-sampling variant with base for region ImplTaskRegion13
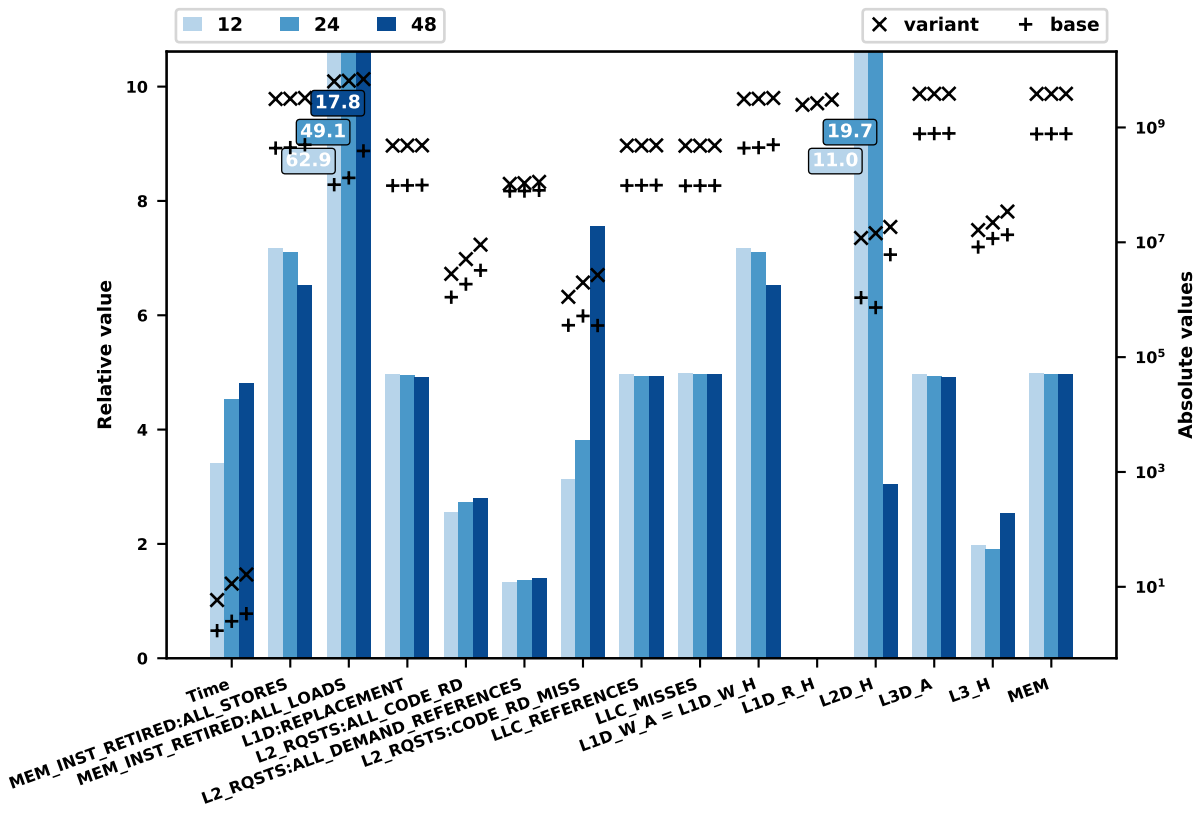
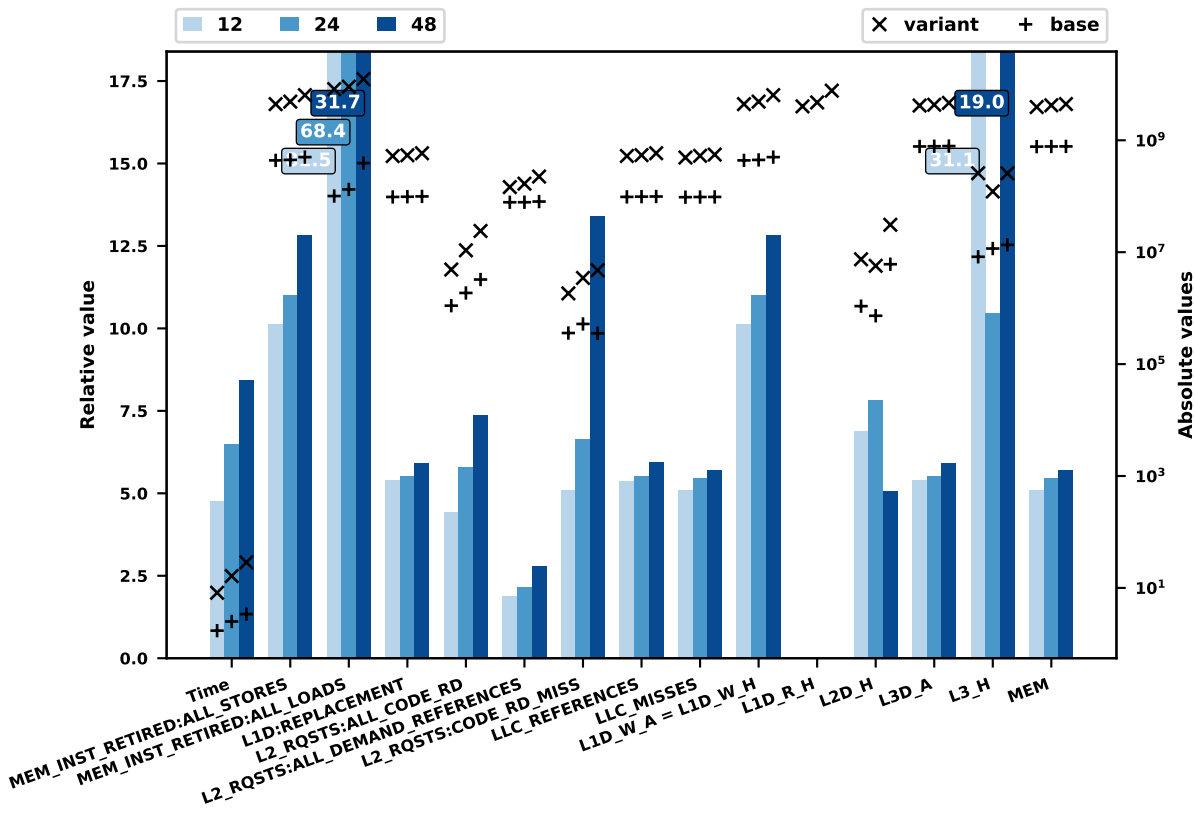**A. Comparing 370.mgrid331-tsan variant with base for region ImplTaskRegion13**

A. Comparing 370.mgrid331-archer variant with base for region ImplTaskRegion13
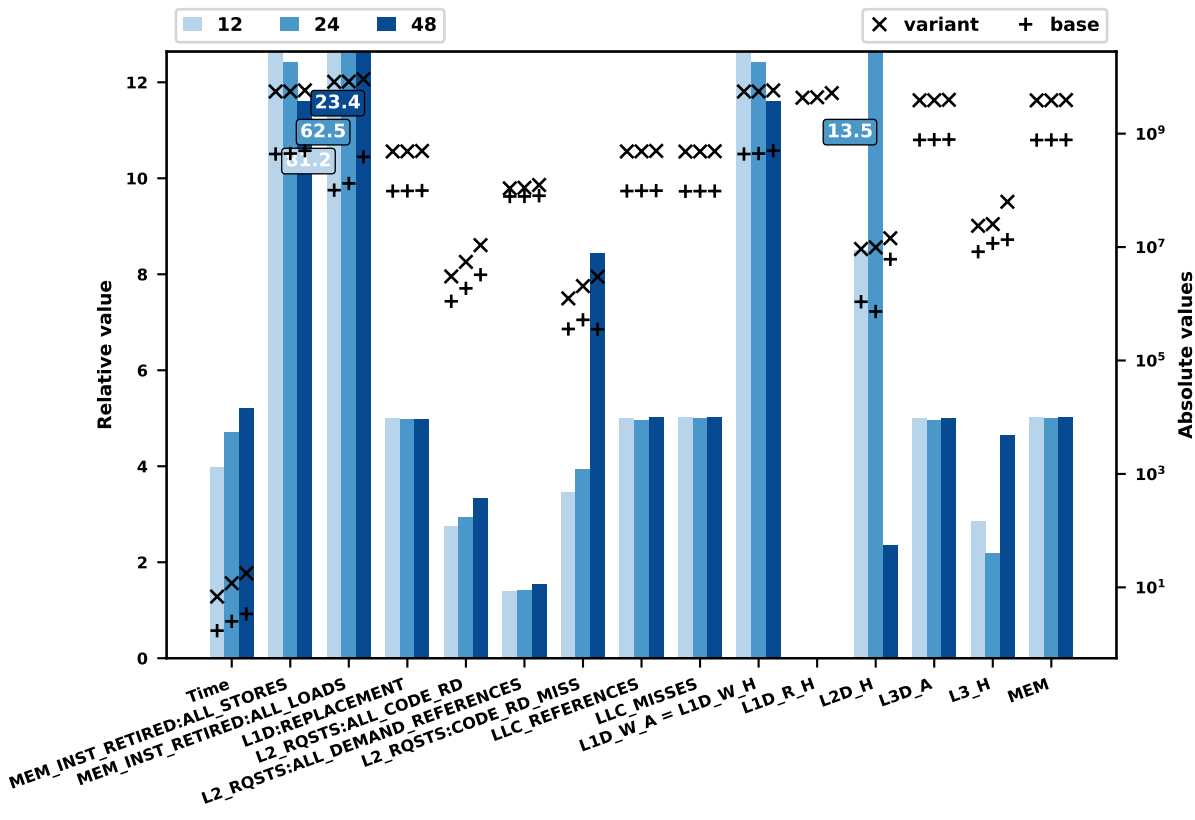
A. Comparing 370.mgrid331-tsan-noread variant with base for region ImplTaskRegion14
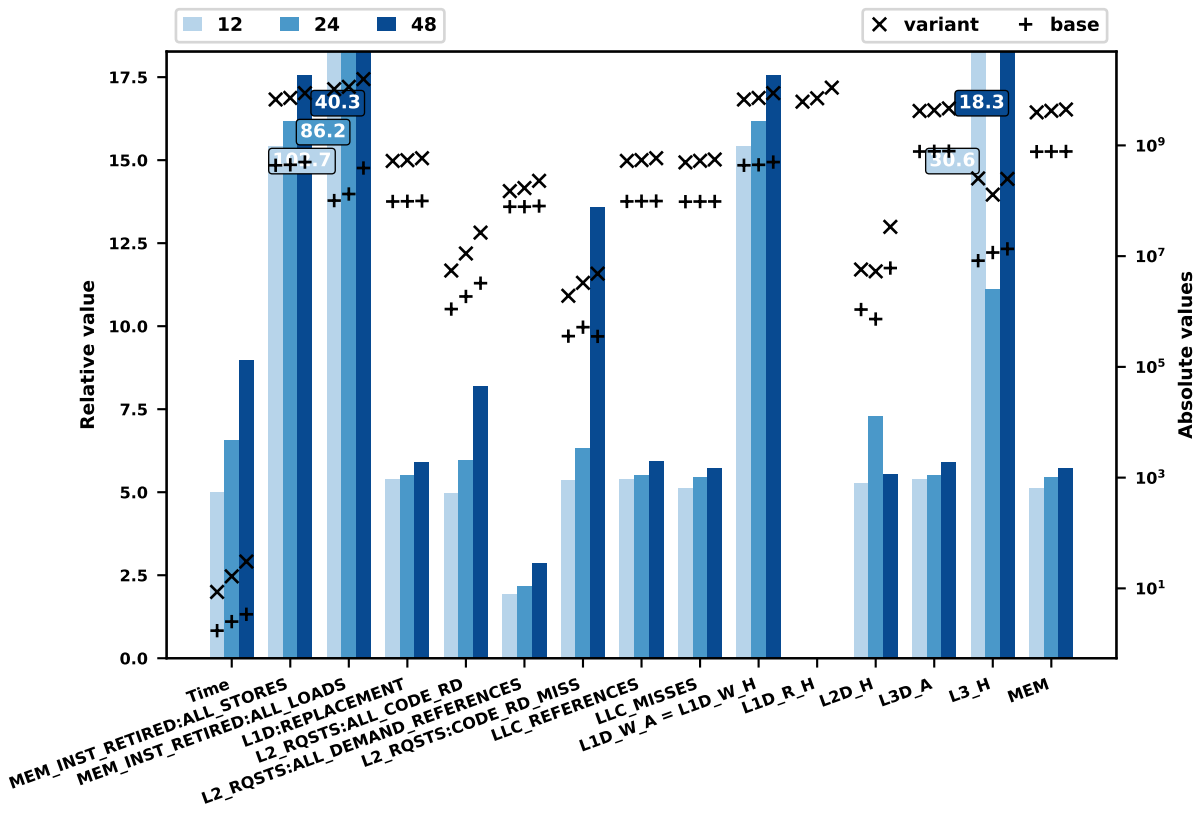
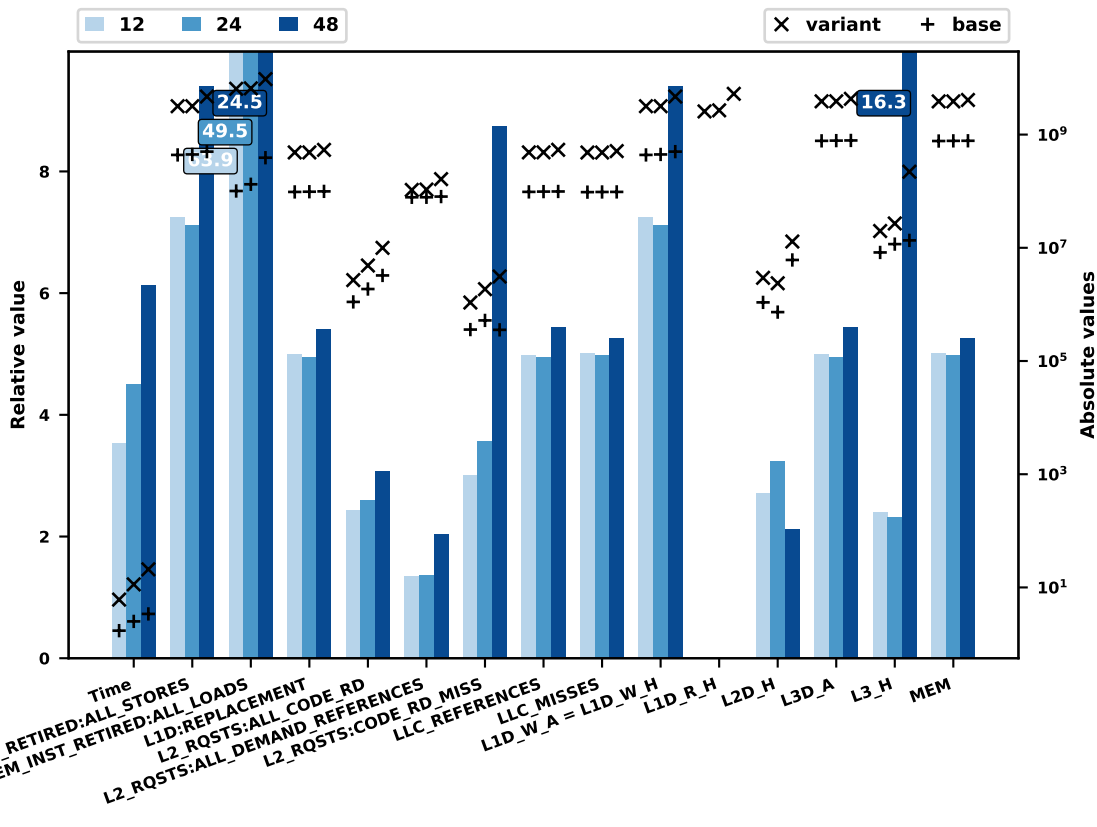**A. Comparing 370.mgrid331-archer-noread variant with base for region ImplTaskRegion14**

A. Comparing 370.mgrid331-tsan-sampling variant with base for region ImplTaskRegion14

A. Comparing 370.mgrid331-archer-sampling variant with base for region ImplTaskRegion14

A. Comparing 370.mgrid331-tsan variant with base for region ImplTaskRegion14

Legend: 12, 24, 48 · × variant · + base

Y-axis (left): Relative value
Y-axis (right): Absolute values

Data labels: 1062.2, 326.2, 258.6, 85.2, 85.2

X-axis categories:
- Time
- MEM_INST_RETIRED:ALL_STORES
- MEM_INST_RETIRED:ALL_LOADS
- L1D:REPLACEMENT
- L2_RQSTS:ALL_CODE_RD
- L2_RQSTS:ALL_DEMAND_REFERENCES
- L2_RQSTS:CODE_RD_MISS
- LLC_REFERENCES
- LLC_MISSES
- L1D_W_A = L1D_W_H
- L1D_R_H
- L2D_H
- L3D_A
- L3_H
- MEM

A. Comparing 370.mgrid331-archer variant with base for region ImplTaskRegion14

Legend: 12, 24, 48; × variant, + base

Y-axis (left): Relative value
Y-axis (right): Absolute values

X-axis categories:
Time, MEM_INST_RETIRED:ALL_STORES, MEM_INST_RETIRED:ALL_LOADS, L1D:REPLACEMENT, L2_RQSTS:ALL_CODE_RD, L2_RQSTS:ALL_DEMAND_REFERENCES, L2_RQSTS:CODE_RD_MISS, LLC_REFERENCES, LLC_MISSES, L1D_W_A = L1D_W_H, L1D_R_H, L2D_H, L3D_A, L3_H, MEM

Labels: 884.6, 367.6, 206.6

A. Comparing 370.mgrid331-tsan-noread variant with base for region ImplTaskRegion15

A. Comparing 370.mgrid331-archer-noread variant with base for region ImplTaskRegion15

A. Comparing 370.mgrid331-tsan-sampling variant with base for region ImplTaskRegion15
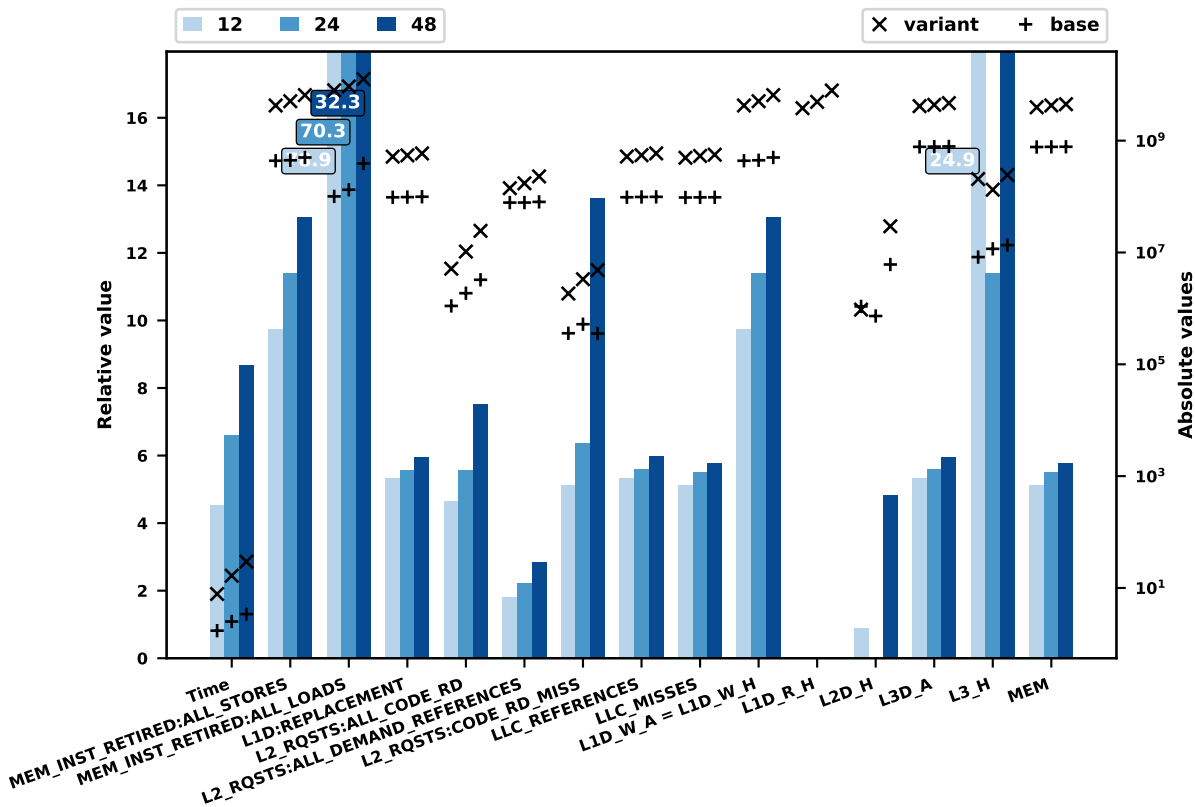
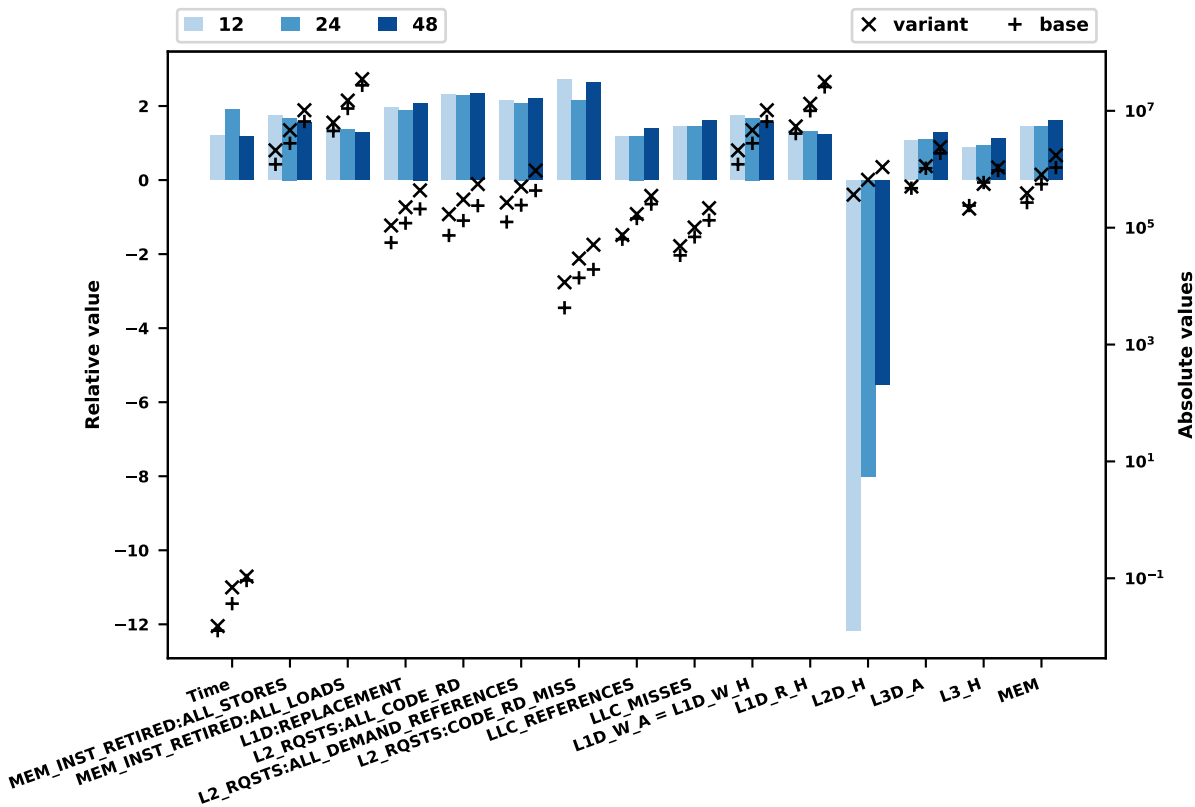A. Comparing 370.mgrid331-archer-sampling variant with base for region ImplTaskRegion15

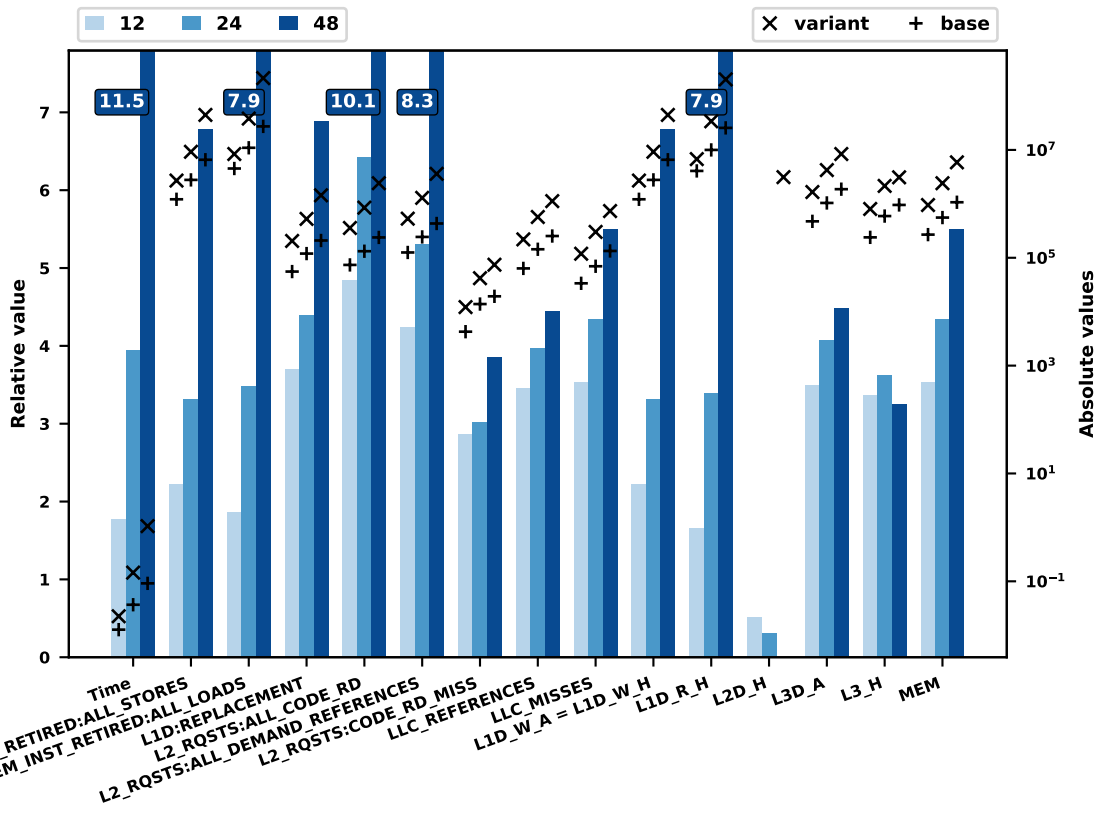**A. Comparing 370.mgrid331-tsan variant with base for region ImplTaskRegion15**

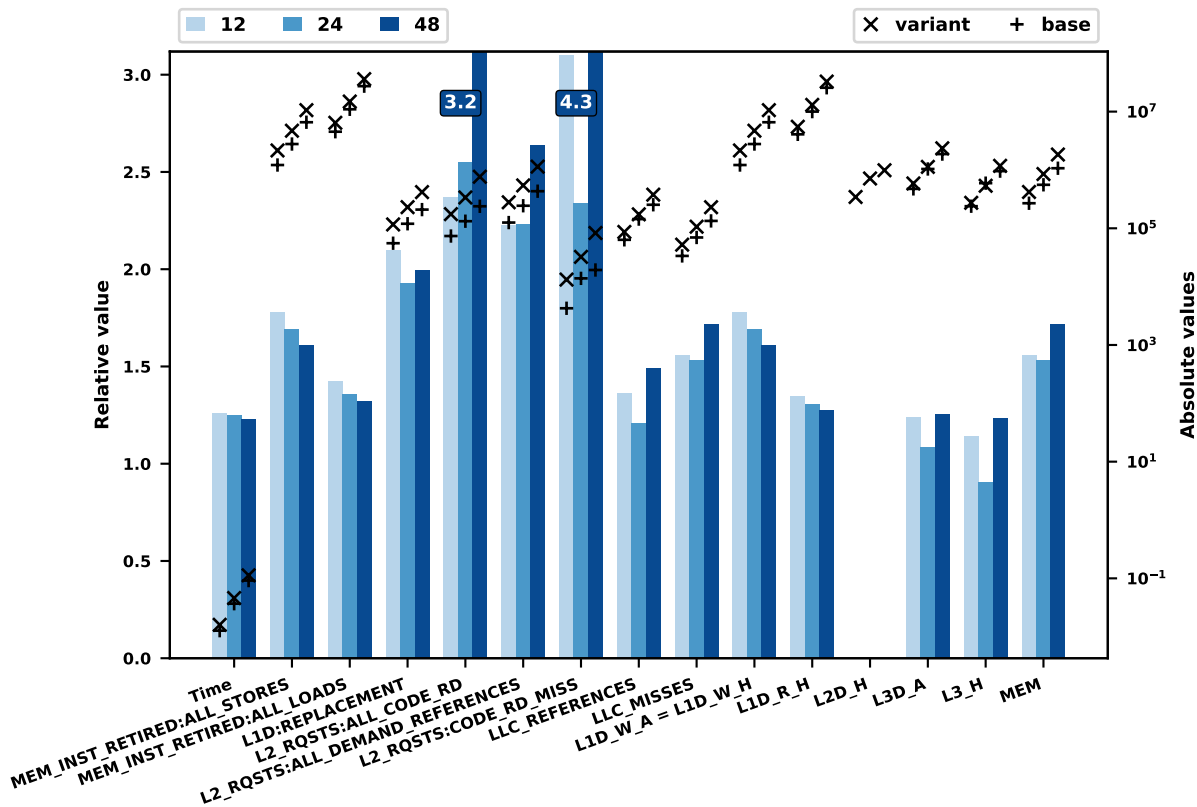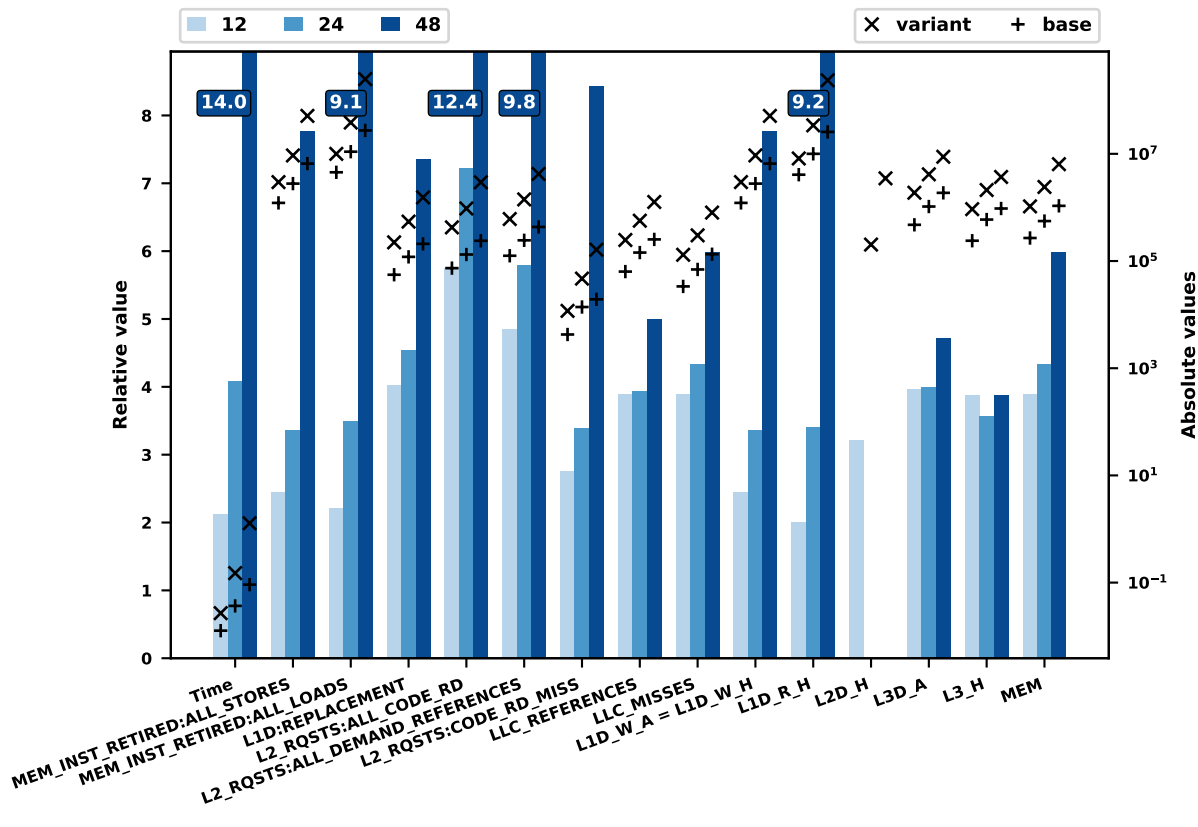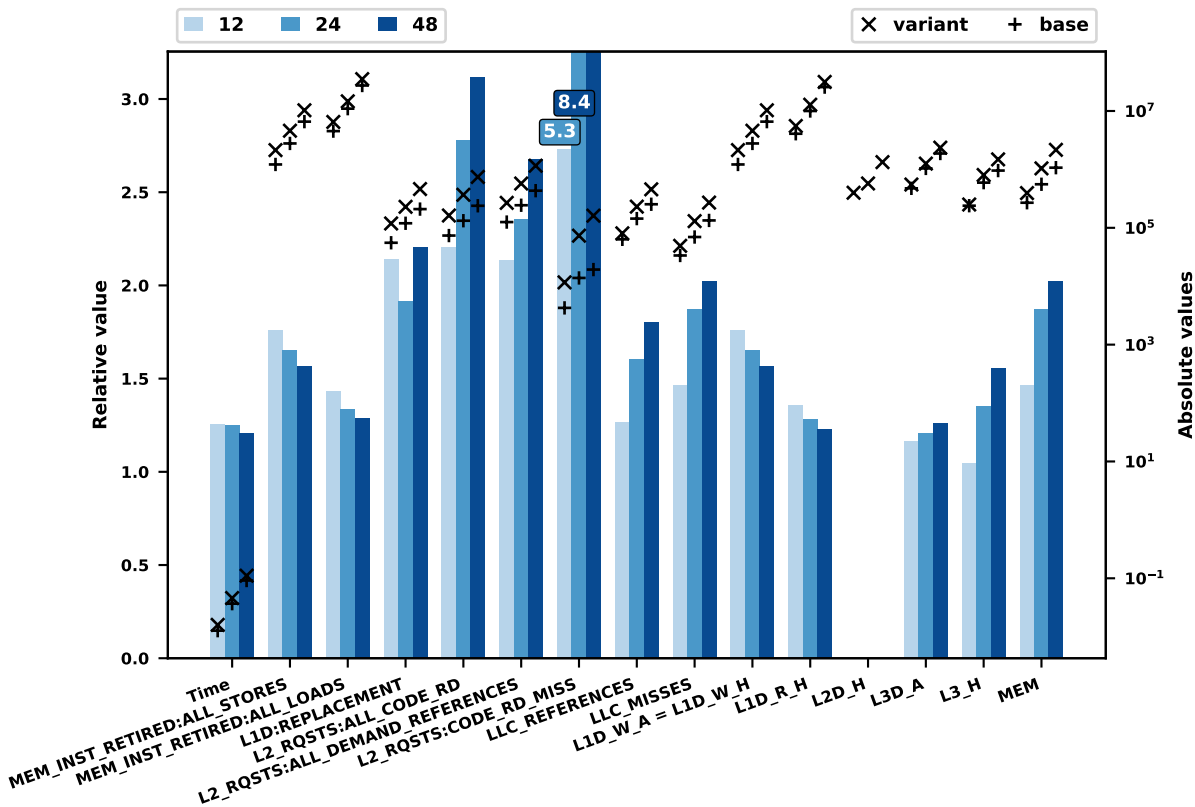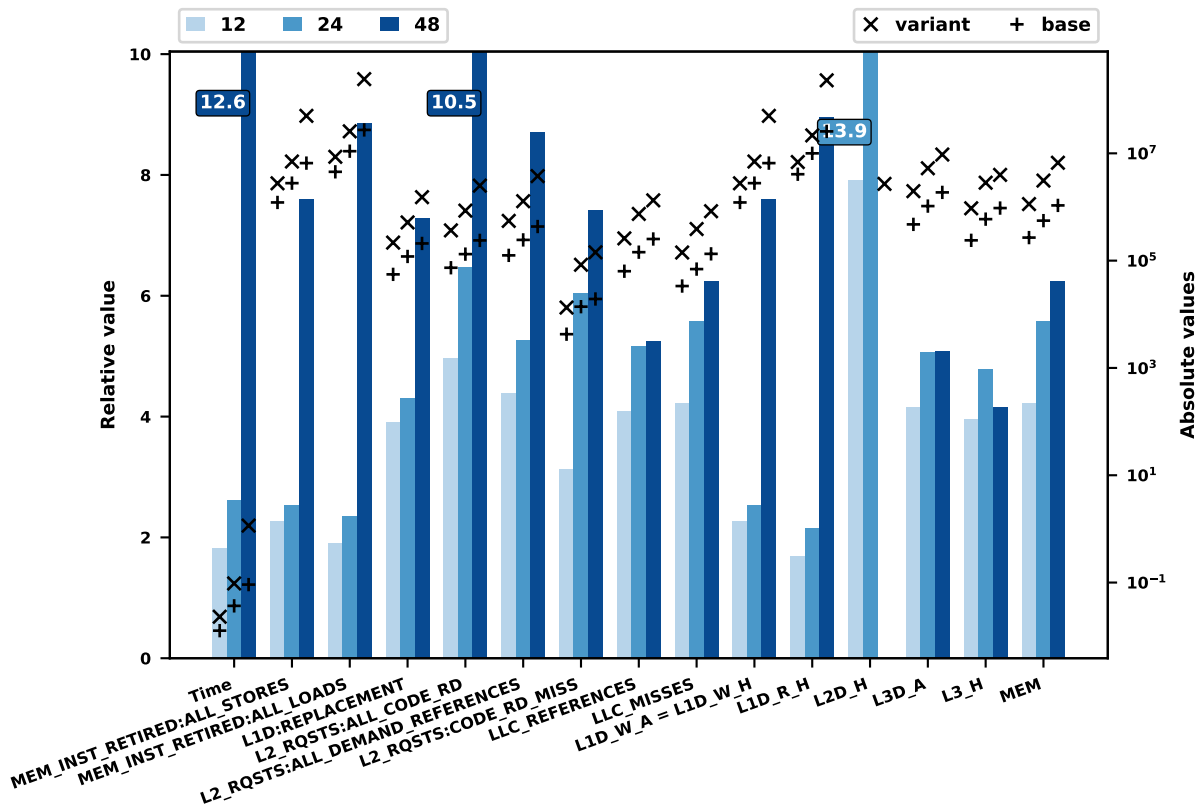**A. Comparing 370.mgrid331-archer variant with base for region ImplTaskRegion15**

Legend: 12, 24, 48 — X variant, + base

Y-axis (left): Relative value
Y-axis (right): Absolute values

X-axis categories:
Time, MEM_INST_RETIRED:ALL_STORES, MEM_INST_RETIRED:ALL_LOADS, L1D:REPLACEMENT, L2_RQSTS:ALL_CODE_RD, L2_RQSTS:ALL_DEMAND_REFERENCES, L2_RQSTS:CODE_RD_MISS, LLC_REFERENCES, LLC_MISSES, L1D_W_A = L1D_W_H, L1D_R_H, L2D_H, L3D_A, L3_H, MEM

Data labels: 18.8, 20.5, 27.1, 780.4

A. Comparing 370.mgrid331-tsan-noread variant with base for region ImplTaskRegion16

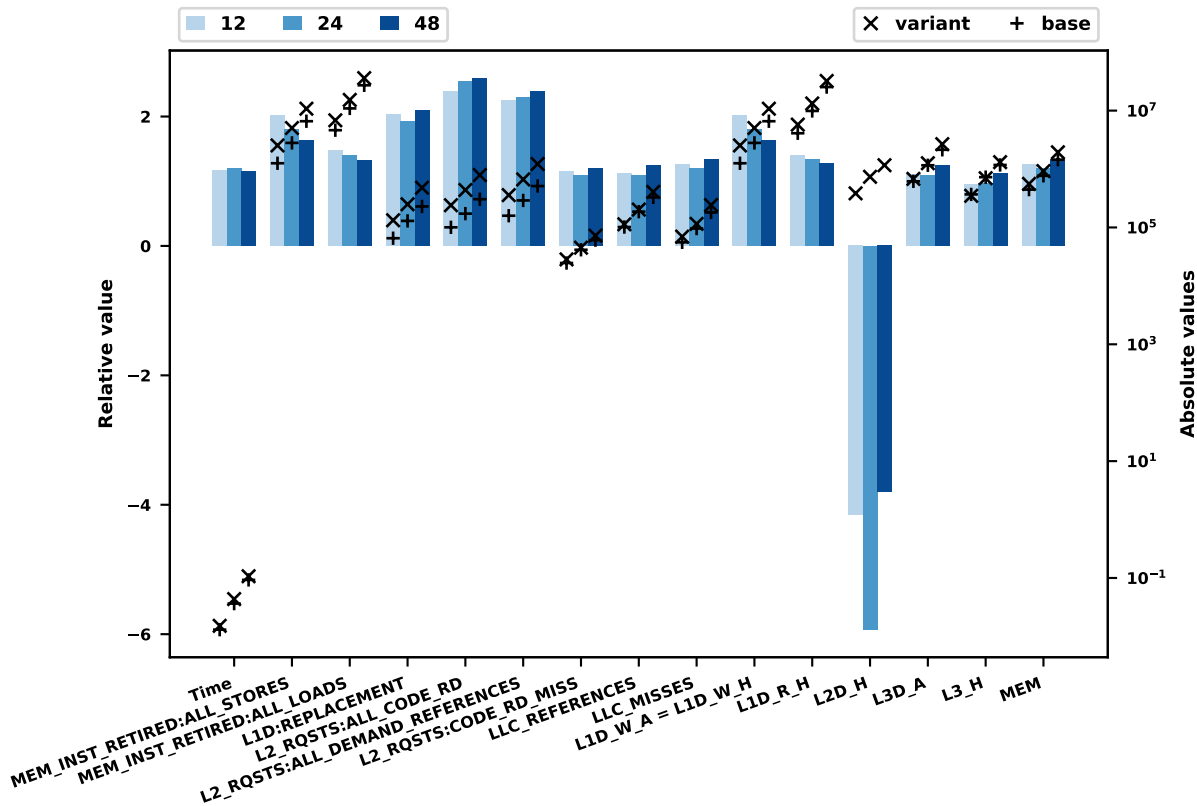**A. Comparing 370.mgrid331-archer-noread variant with base for region ImplTaskRegion16**

Legend: 12, 24, 48 | × variant + base

Boxed annotations: 31.7, 68.4, 19.0, 31.1

X-axis categories: Time, MEM_INST_RETIRED:ALL_STORES, MEM_INST_RETIRED:ALL_LOADS, L1D:REPLACEMENT, L2_RQSTS:ALL_CODE_RD, L2_RQSTS:ALL_DEMAND_REFERENCES, L2_RQSTS:CODE_RD_MISS, LLC_REFERENCES, LLC_MISSES, L1D_W_A = L1D_W_H, L1D_R_H, L2D_H, L3D_A, L3_H, MEM

Y-axis (left): Relative value
Y-axis (right): Absolute values

A. Comparing 370.mgrid331-tsan-sampling variant with base for region ImplTaskRegion16

A. Comparing 370.mgrid331-archer-sampling variant with base for region ImplTaskRegion16

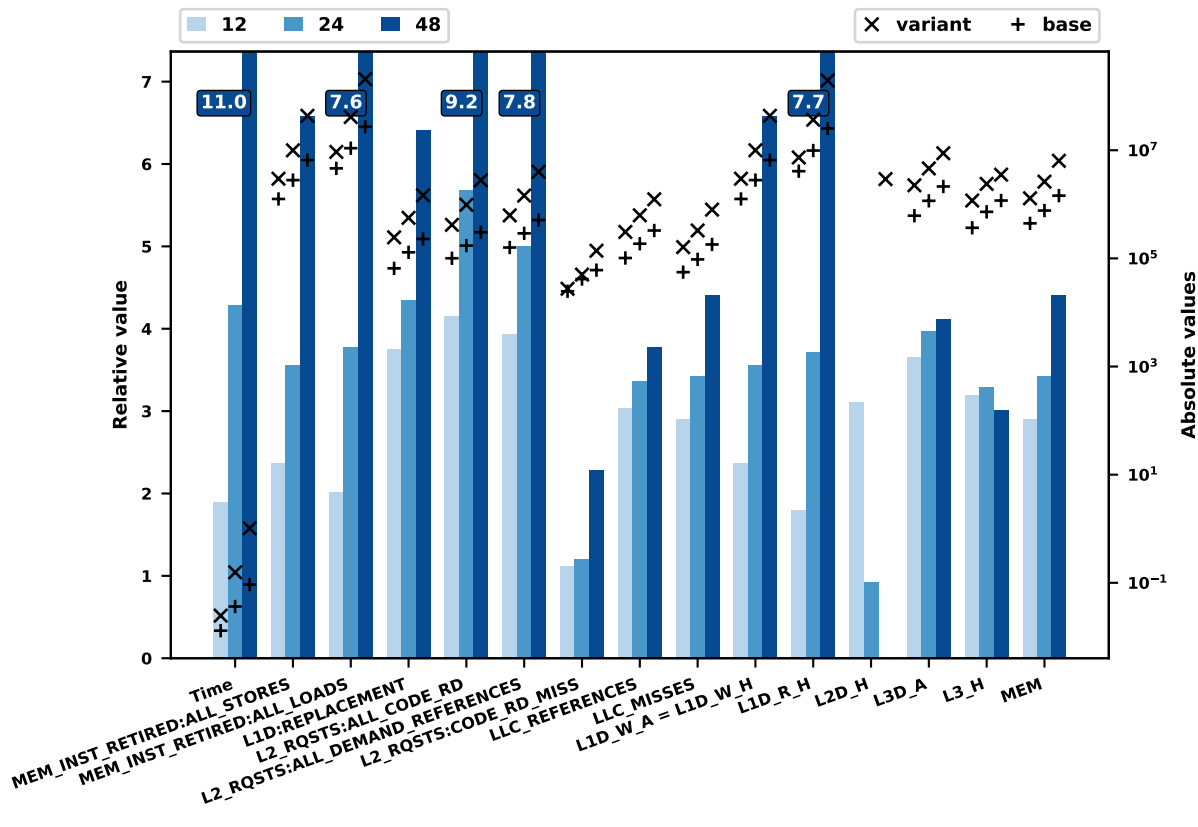A. Comparing 370.mgrid331-tsan variant with base for region ImplTaskRegion16

A. Comparing 370.mgrid331-archer variant with base for region ImplTaskRegion16
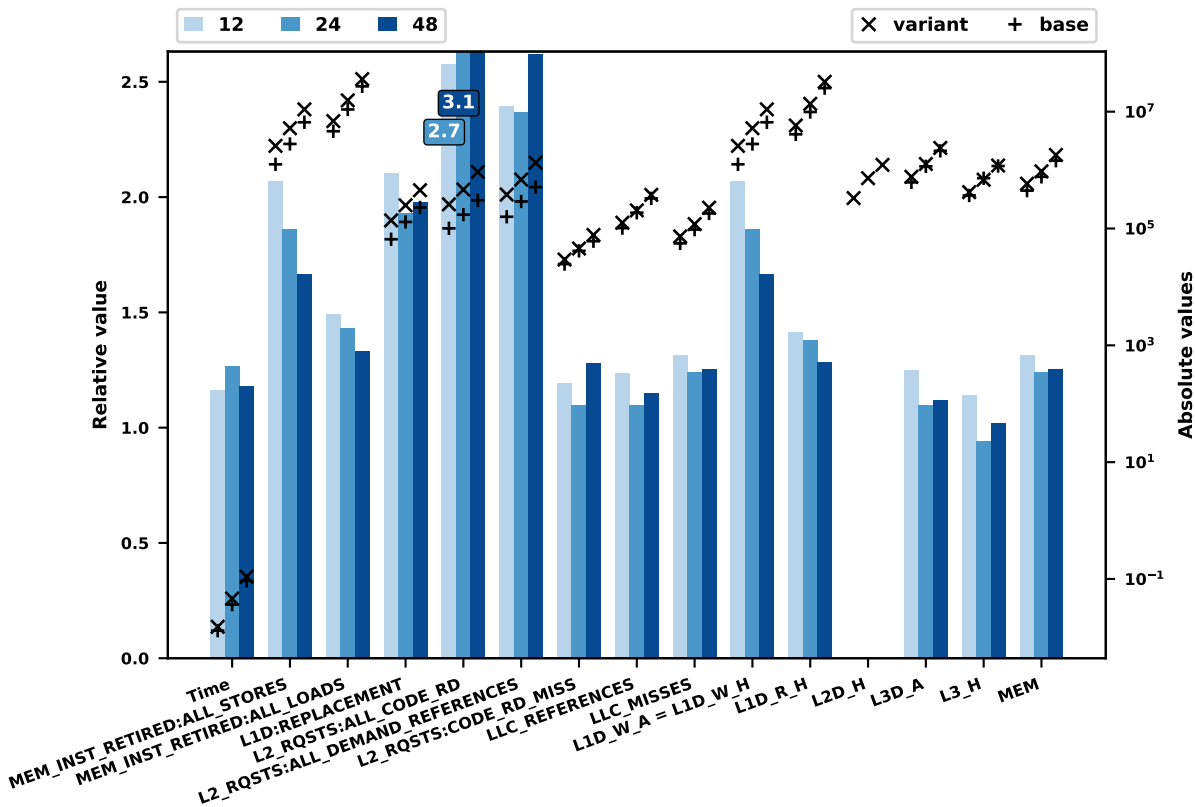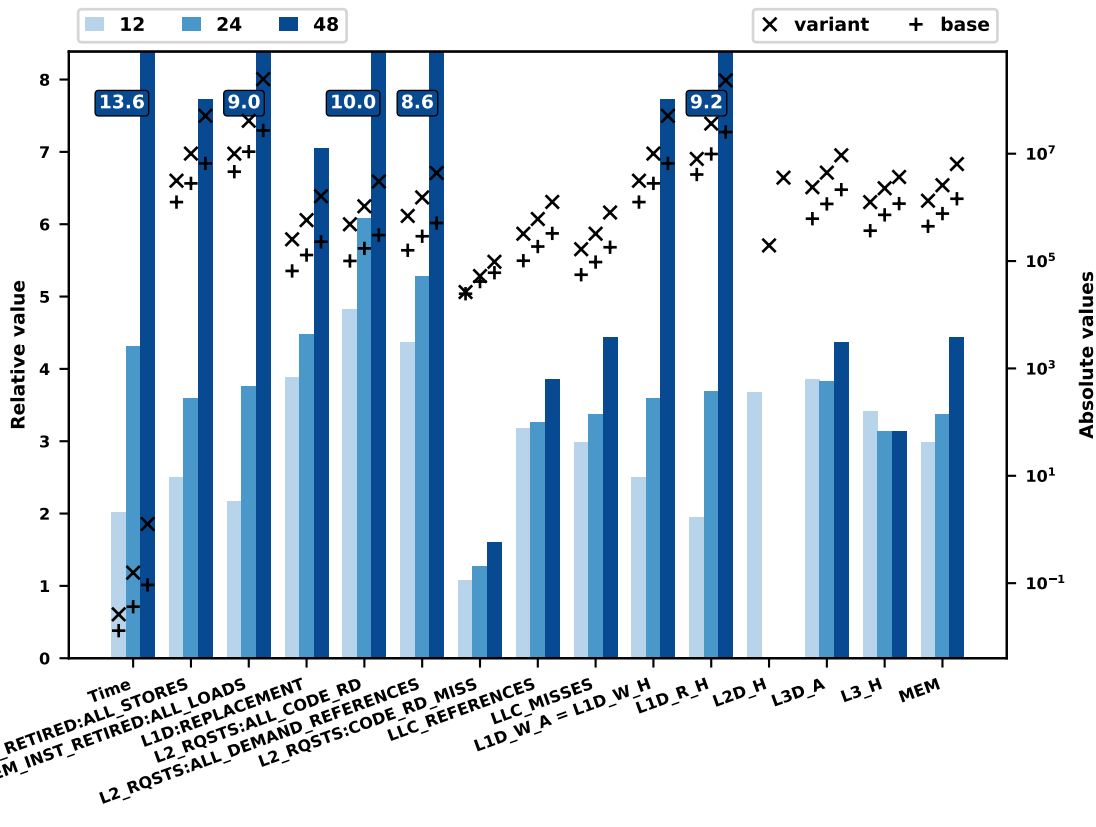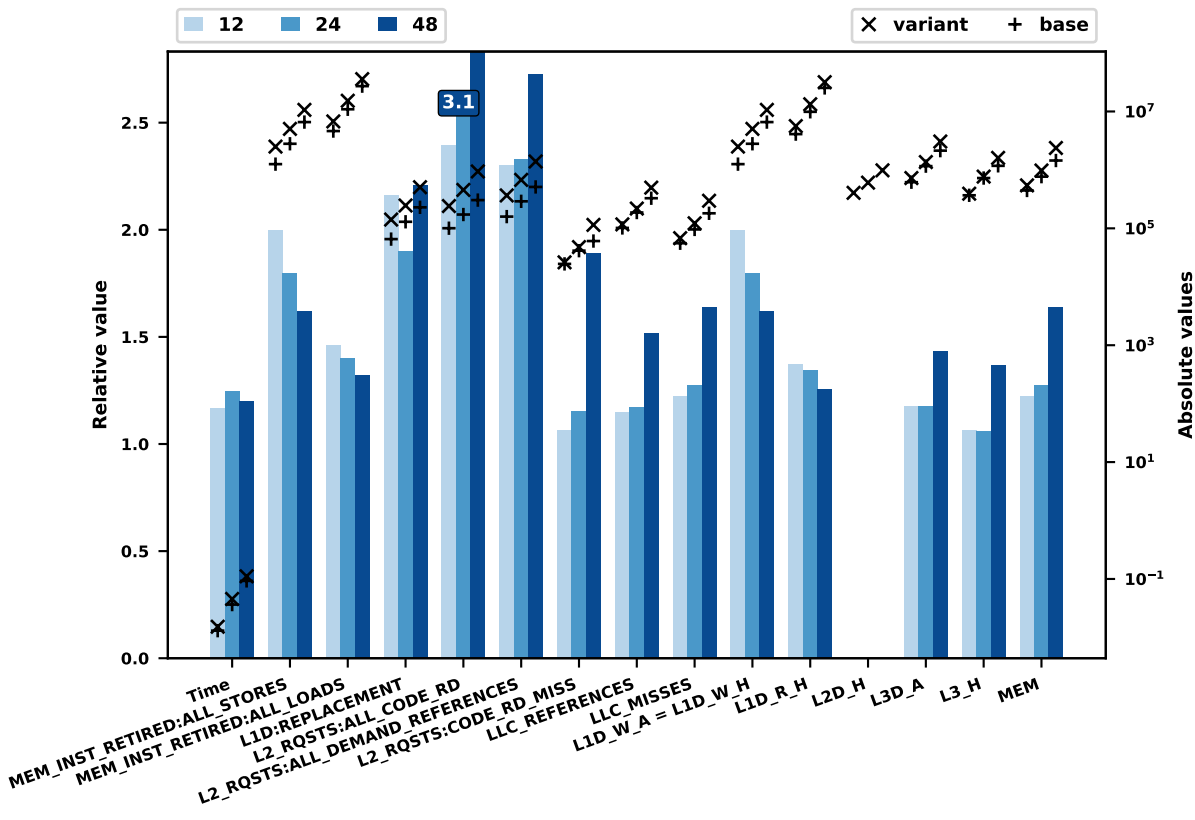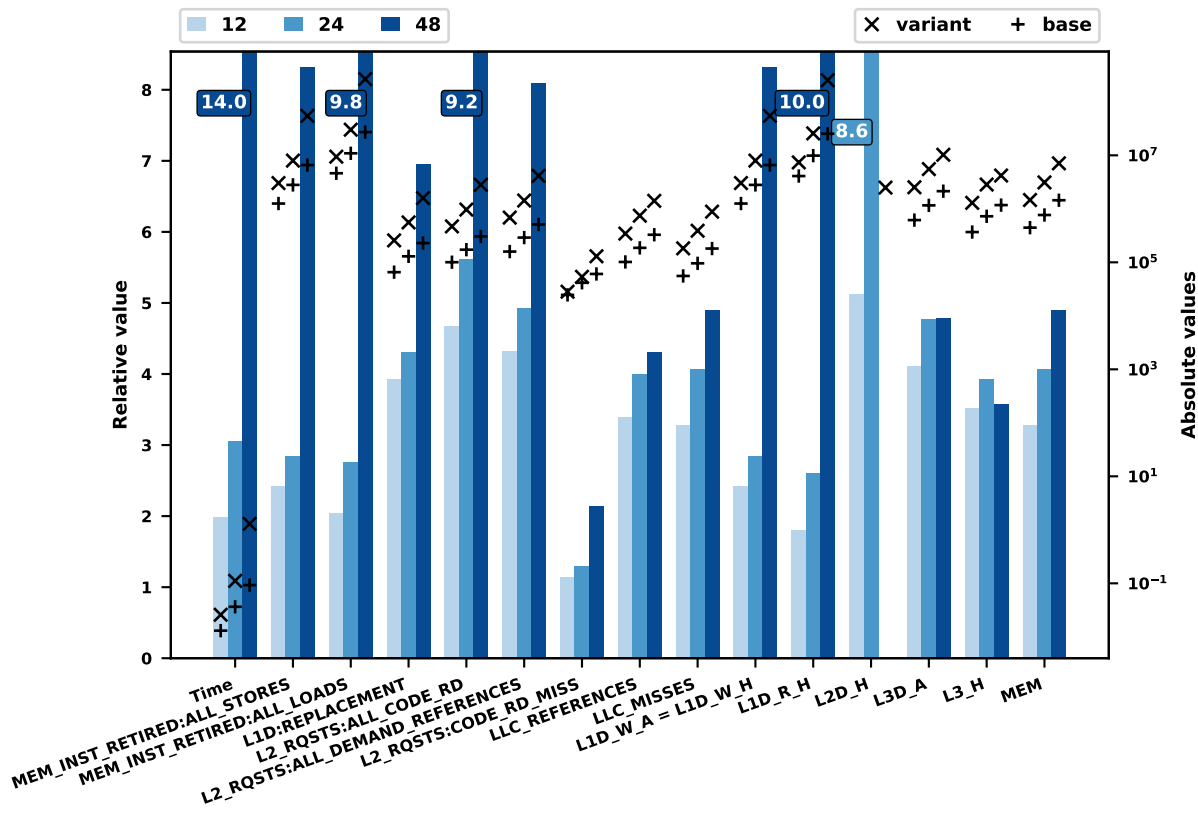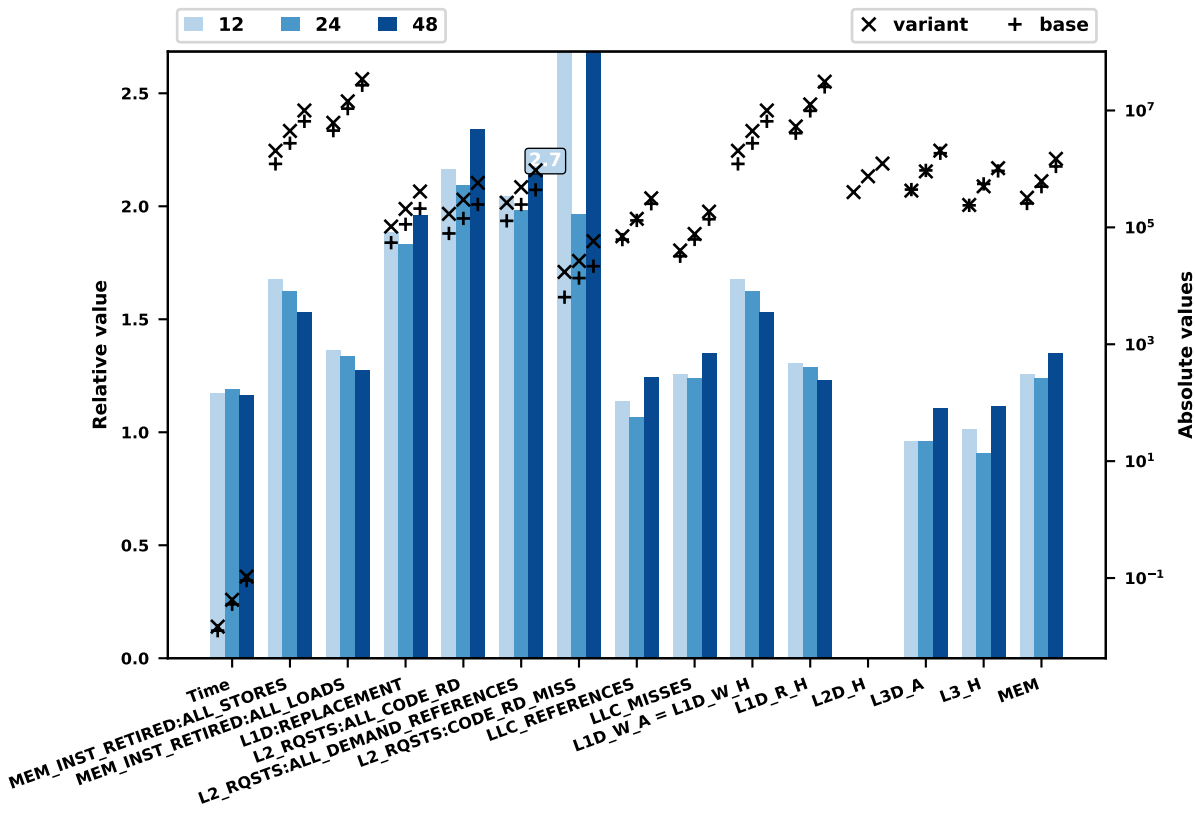
Legend: 12, 24, 48 — × variant + base

Relative value (left axis), Absolute values (right axis)

Annotated values: 32.3, 70.3, 24.9

X-axis categories: Time, MEM_INST_RETIRED:ALL_STORES, MEM_INST_RETIRED:ALL_LOADS, L1D:REPLACEMENT, L2_RQSTS:ALL_CODE_RD, L2_RQSTS:ALL_DEMAND_REFERENCES, L2_RQSTS:CODE_RD_MISS, LLC_REFERENCES, LLC_MISSES, L1D_W_A = L1D_W_H, L1D_R_H, L2D_H, L3D_A, L3_H, MEM

A. Comparing 370.mgrid331-tsan-noread variant with base for region ImplTaskRegion17

A. Comparing 370.mgrid331-archer-noread variant with base for region ImplTaskRegion17

A. Comparing 370.mgrid331-tsan-sampling variant with base for region ImplTaskRegion17

A. Comparing 370.mgrid331-archer-sampling variant with base for region ImplTaskRegion17

A. Comparing 370.mgrid331-tsan variant with base for region ImplTaskRegion17
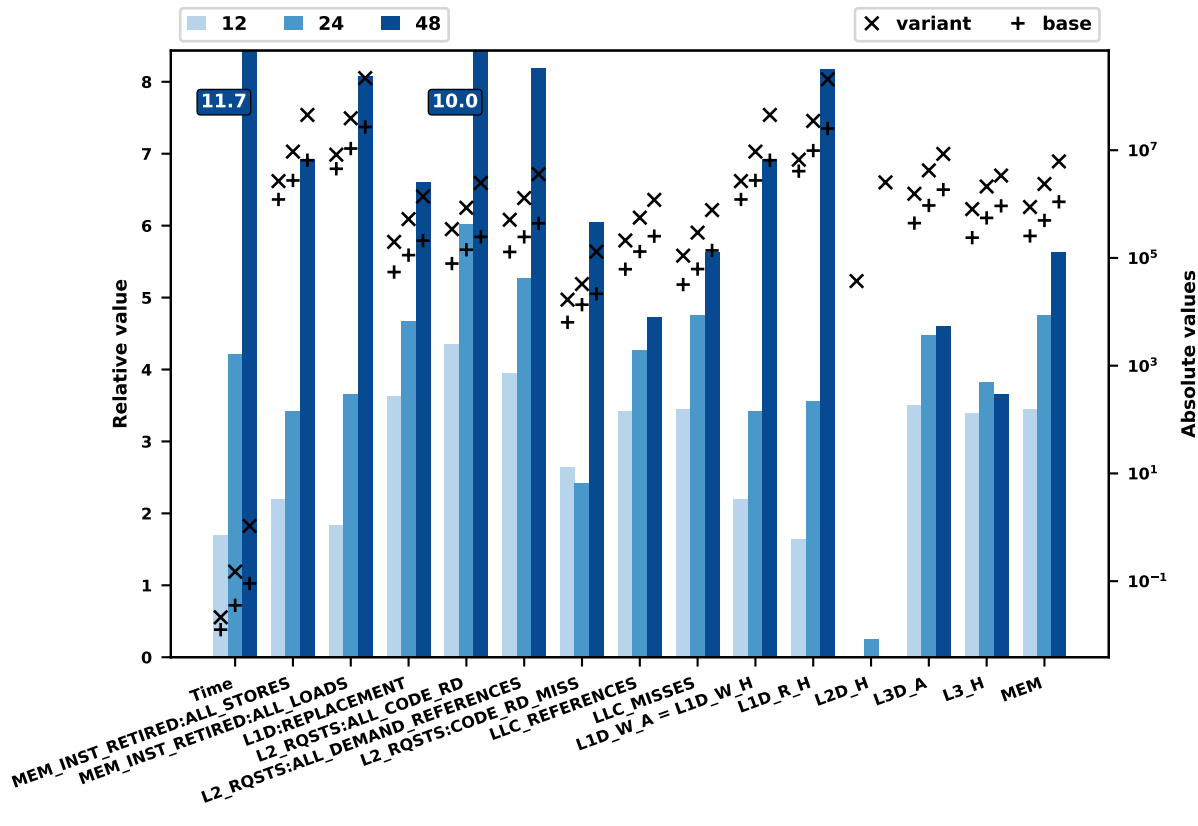
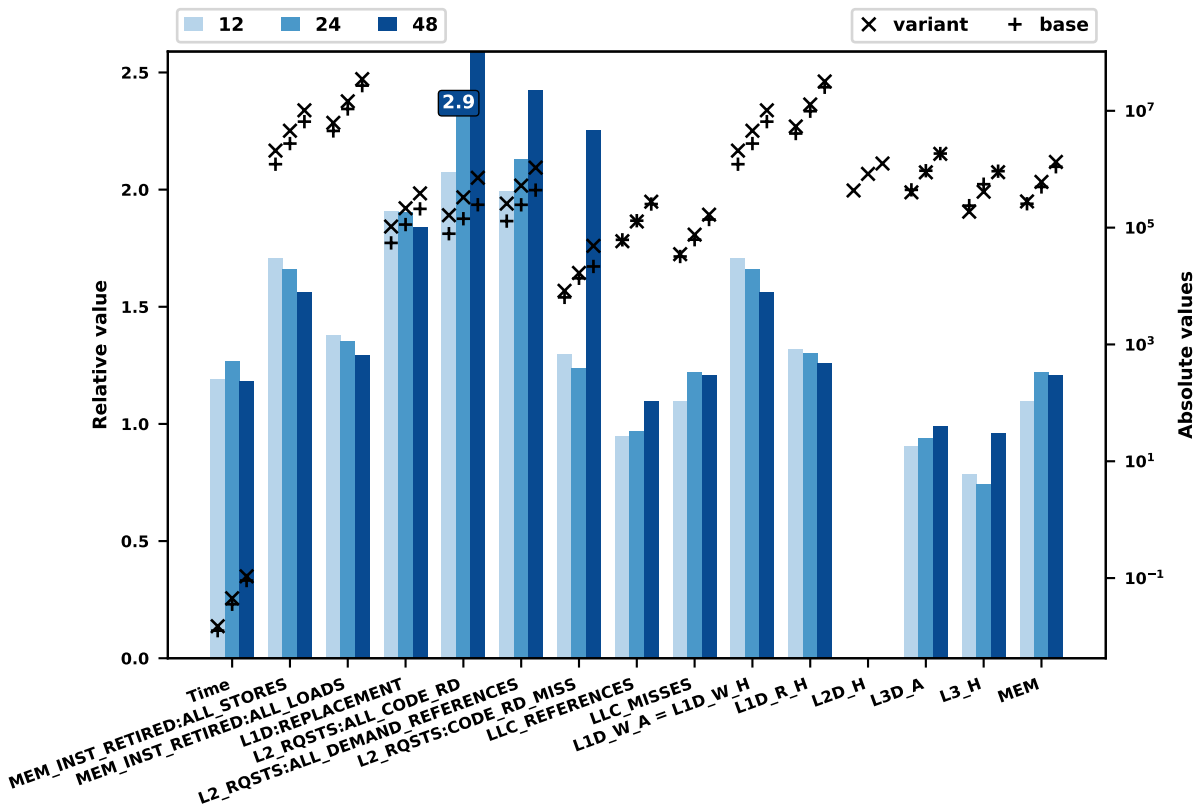**A. Comparing 370.mgrid331-archer variant with base for region ImplTaskRegion17**

A. Comparing 370.mgrid331-tsan-noread variant
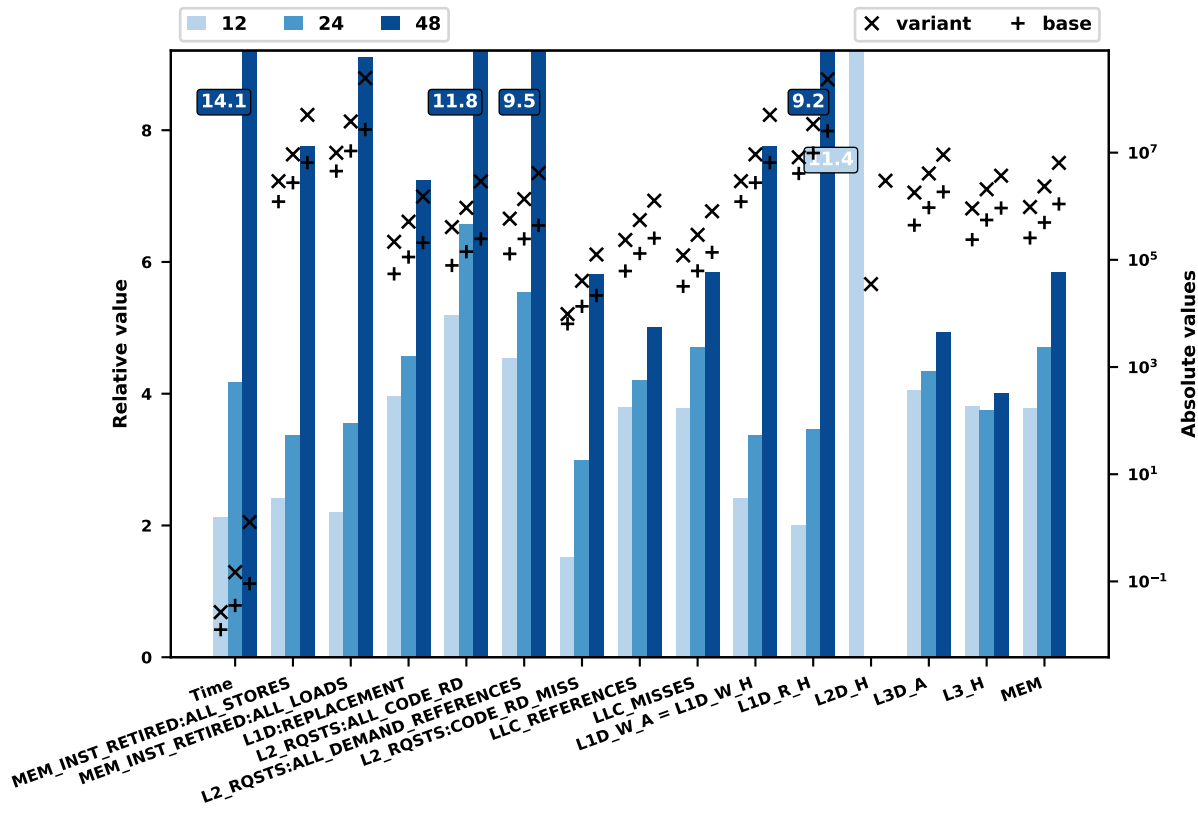with base for region ImplTaskRegion18

A. Comparing 370.mgrid331-archer-noread variant with base for region ImplTaskRegion18
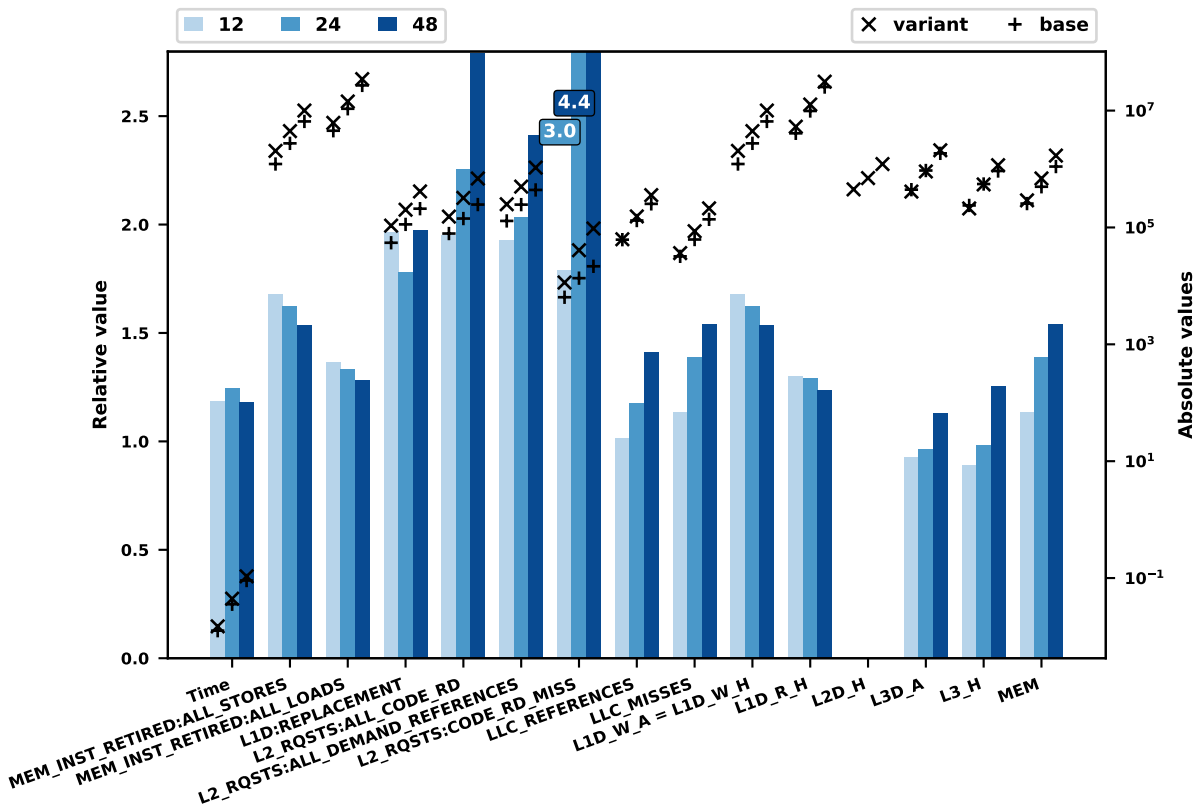
A. Comparing 370.mgrid331-tsan-sampling variant with base for region ImplTaskRegion18
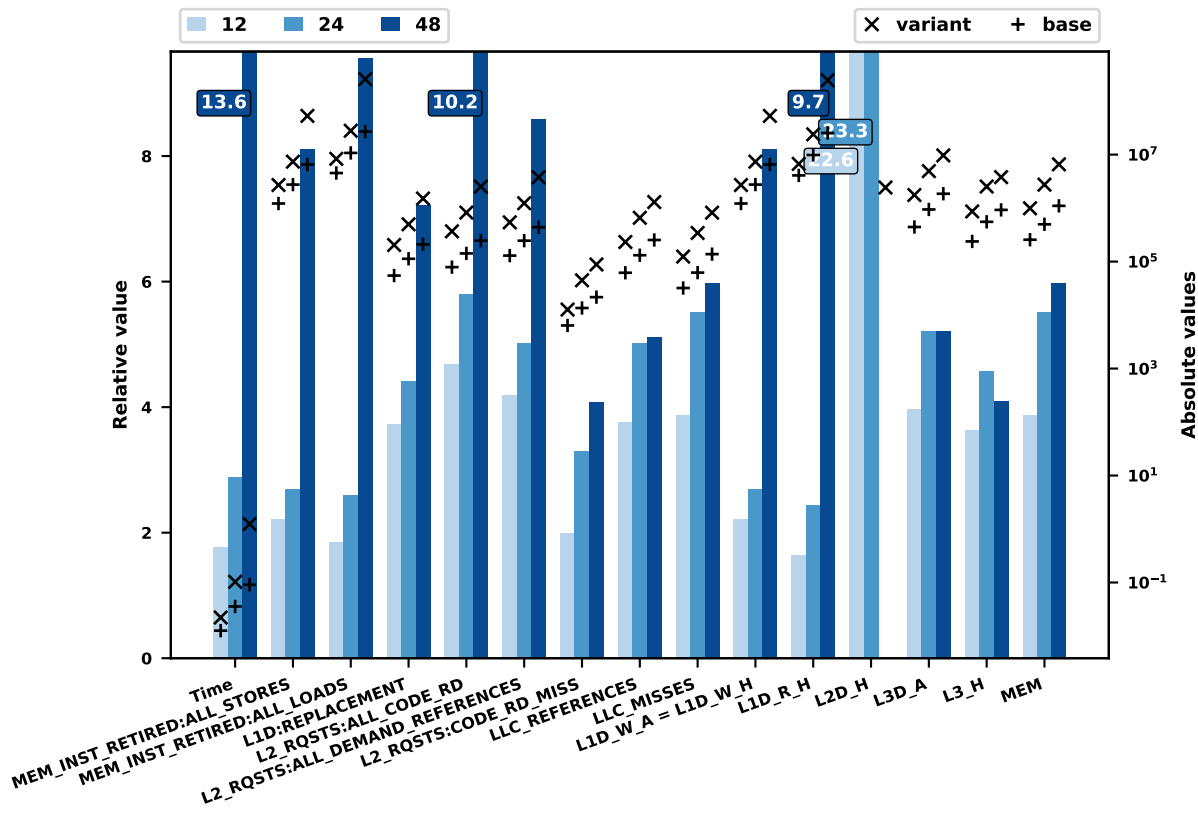
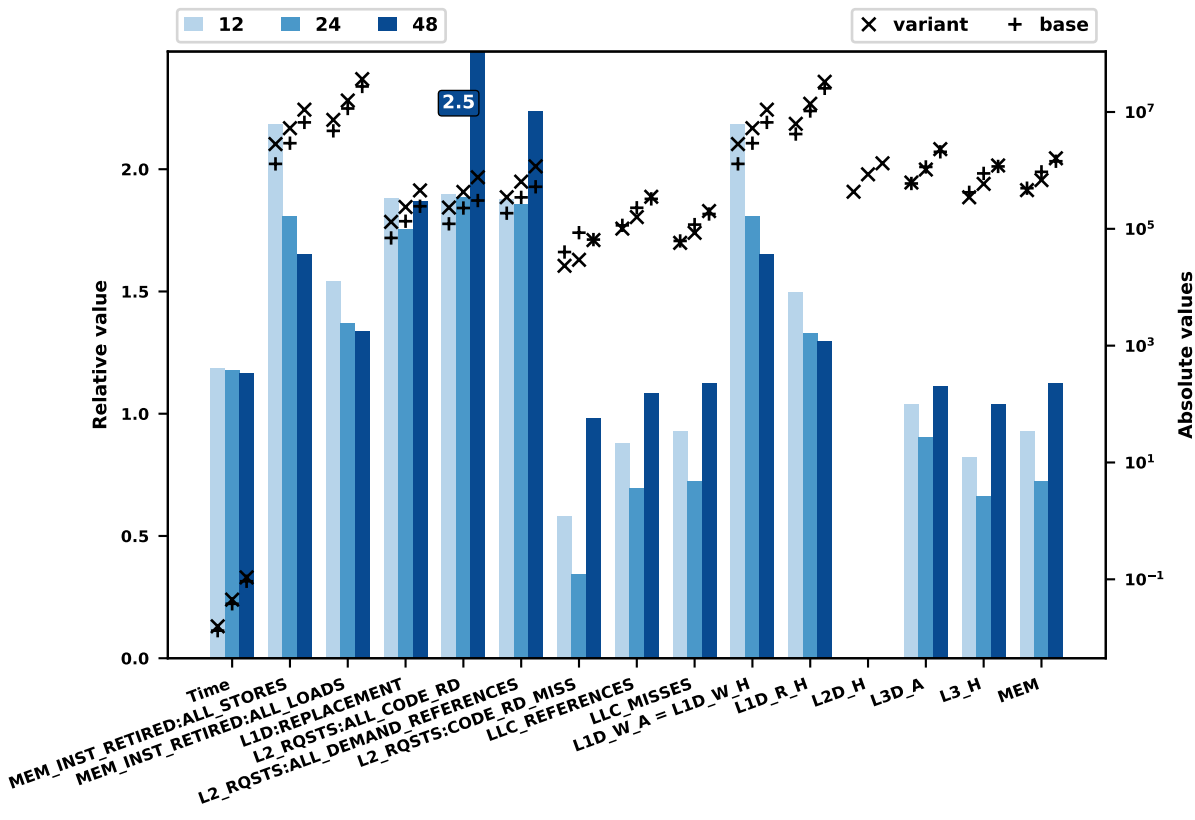**A. Comparing 370.mgrid331-archer-sampling variant with base for region ImplTaskRegion18**

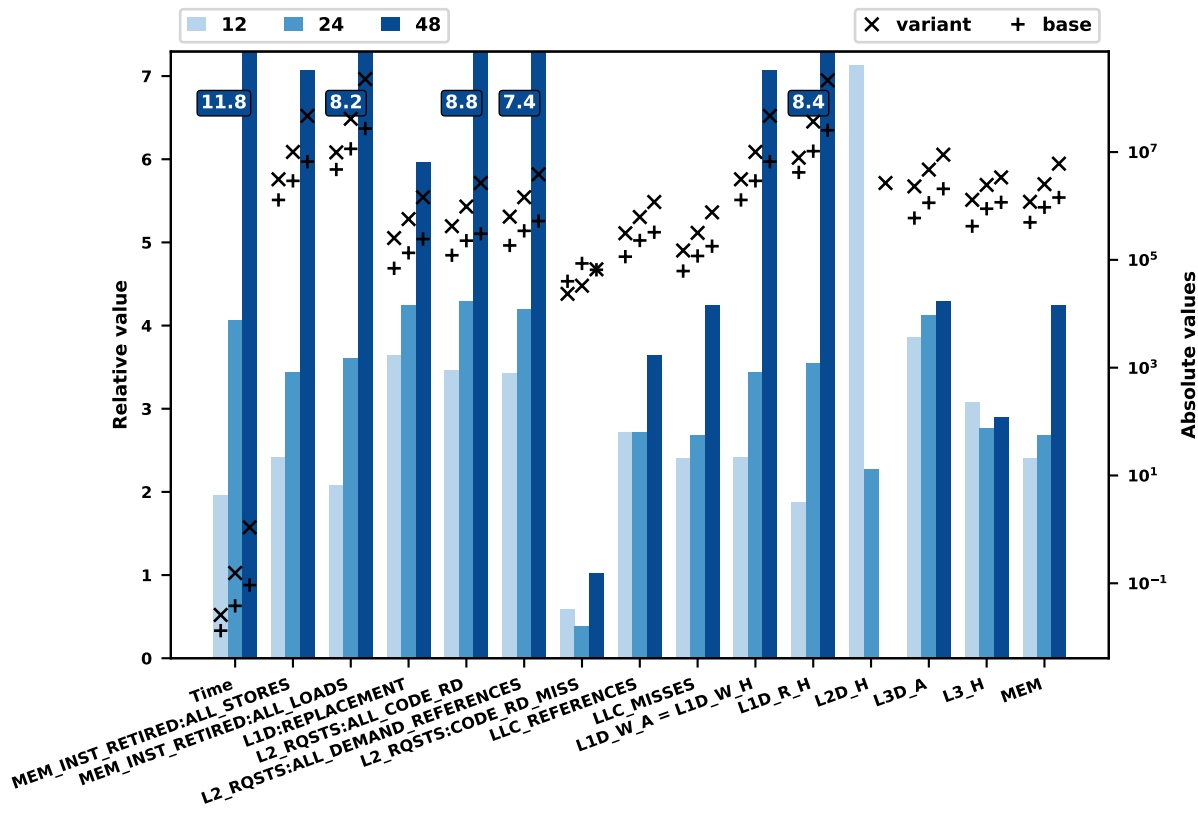A. Comparing 370.mgrid331-tsan variant with base for region ImplTaskRegion18

A. Comparing 370.mgrid331-archer variant with base for region ImplTaskRegion18

A. Comparing 370.mgrid331-tsan-noread variant
with base for region ImplTaskRegion19

A. Comparing 370.mgrid331-archer-noread variant with base for region ImplTaskRegion19

A. Comparing 370.mgrid331-tsan-sampling variant with base for region ImplTaskRegion19

A. Comparing 370.mgrid331-archer-sampling variant with base for region ImplTaskRegion19

A. Comparing 370.mgrid331-tsan variant
with base for region ImplTaskRegion19

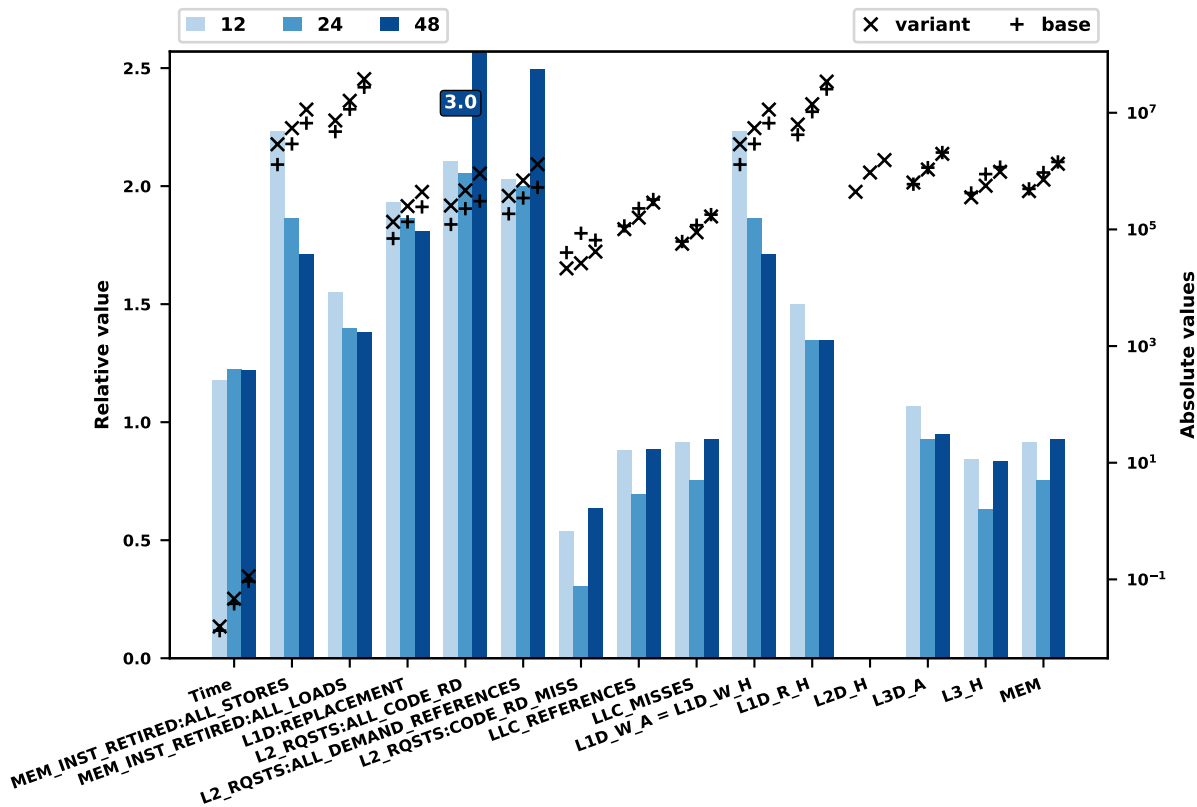**A. Comparing 370.mgrid331-archer variant with base for region ImplTaskRegion19**

Legend: 12, 24, 48 — × variant, + base

Y-axis (left): Relative value

Y-axis (right): Absolute values

X-axis categories: Time, MEM_INST_RETIRED:ALL_STORES, MEM_INST_RETIRED:ALL_LOADS, L1D:REPLACEMENT, L2_RQSTS:ALL_CODE_RD, L2_RQSTS:ALL_DEMAND_REFERENCES, L2_RQSTS:CODE_RD_MISS, LLC_REFERENCES, LLC_MISSES, L1D_W_A = L1D_W_H, L1D_R_H, L2D_H, L3D_A, L3_H, MEM

Annotated values: 13.6, 10.2, 9.7, 3.3, 2.6

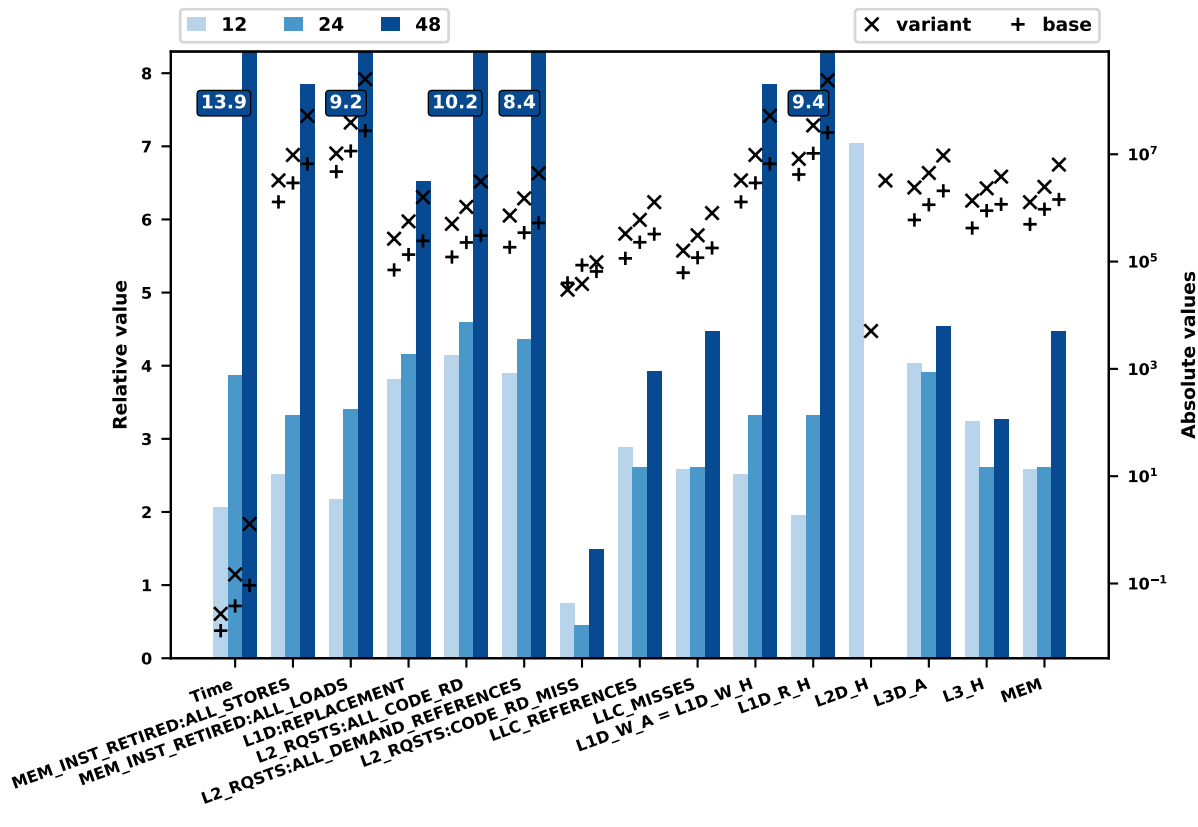**A. Comparing 370.mgrid331-tsan-noread variant with base for region ImplTaskRegion20**

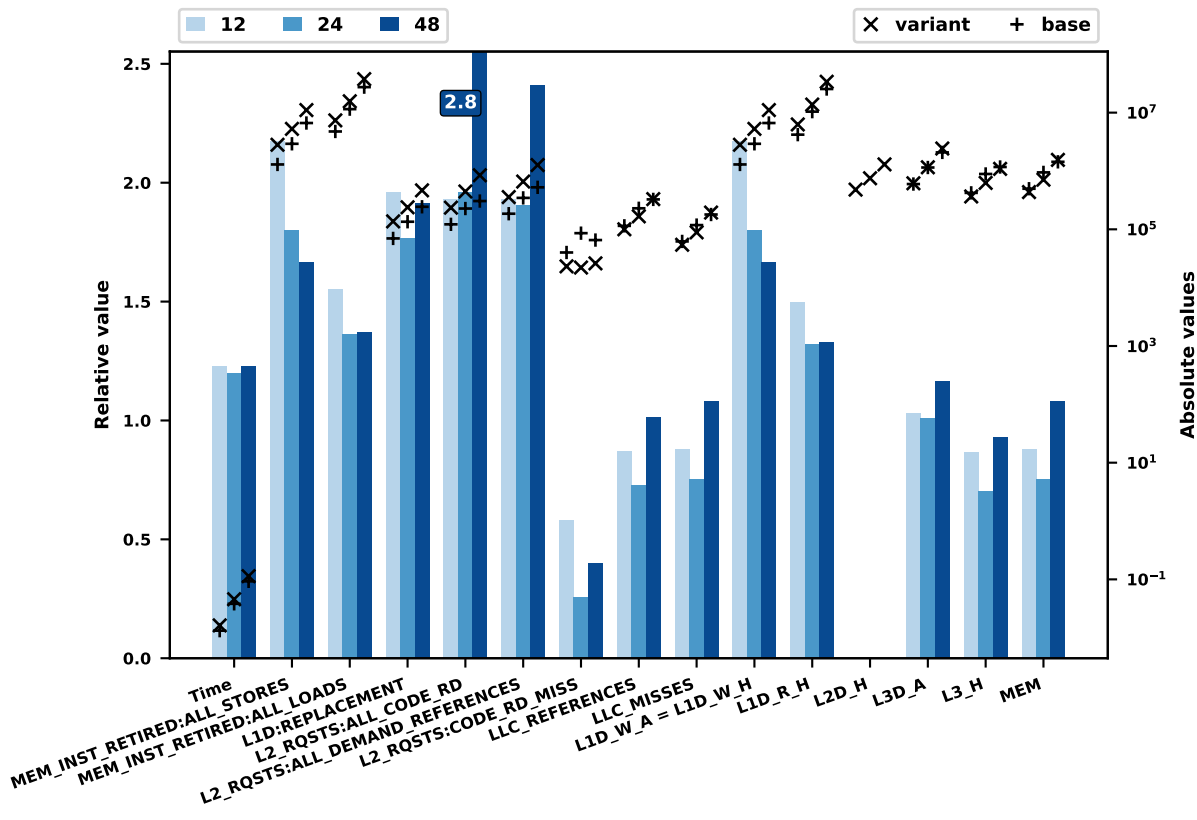**A. Comparing 370.mgrid331-archer-noread variant with base for region ImplTaskRegion20**

A. Comparing 370.mgrid331-tsan-sampling variant with base for region ImplTaskRegion20
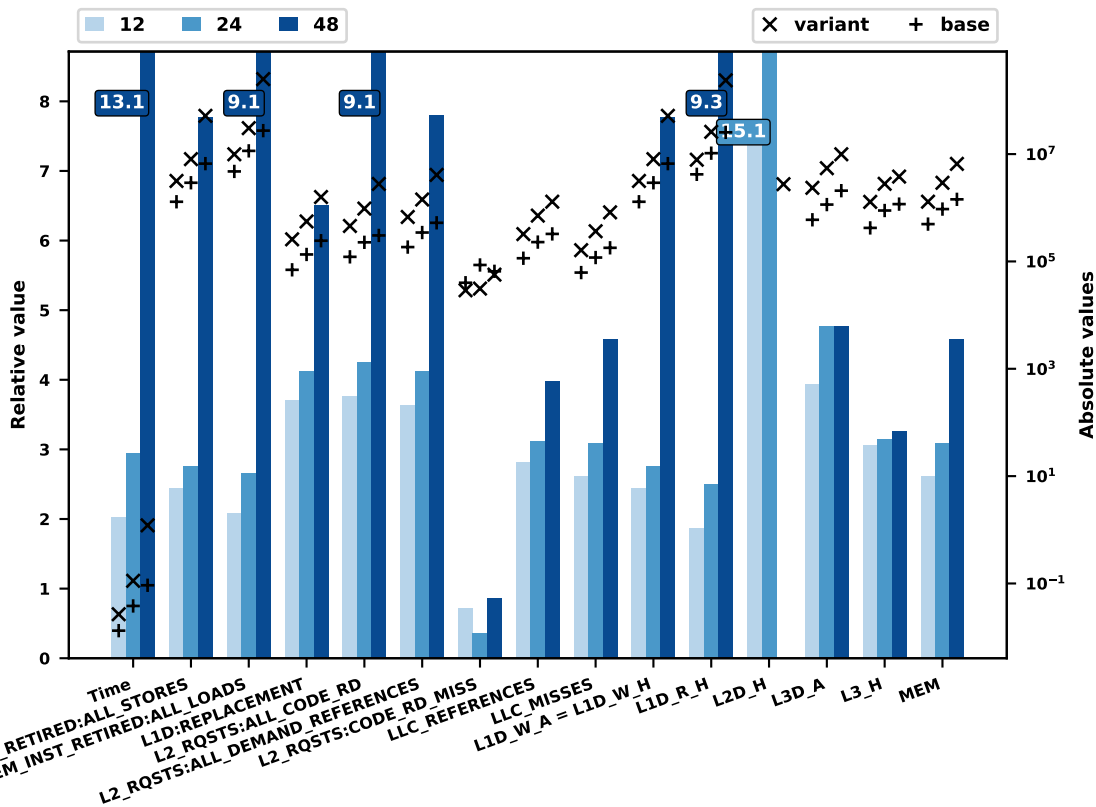
A. Comparing 370.mgrid331-archer-sampling variant with base for region ImplTaskRegion20
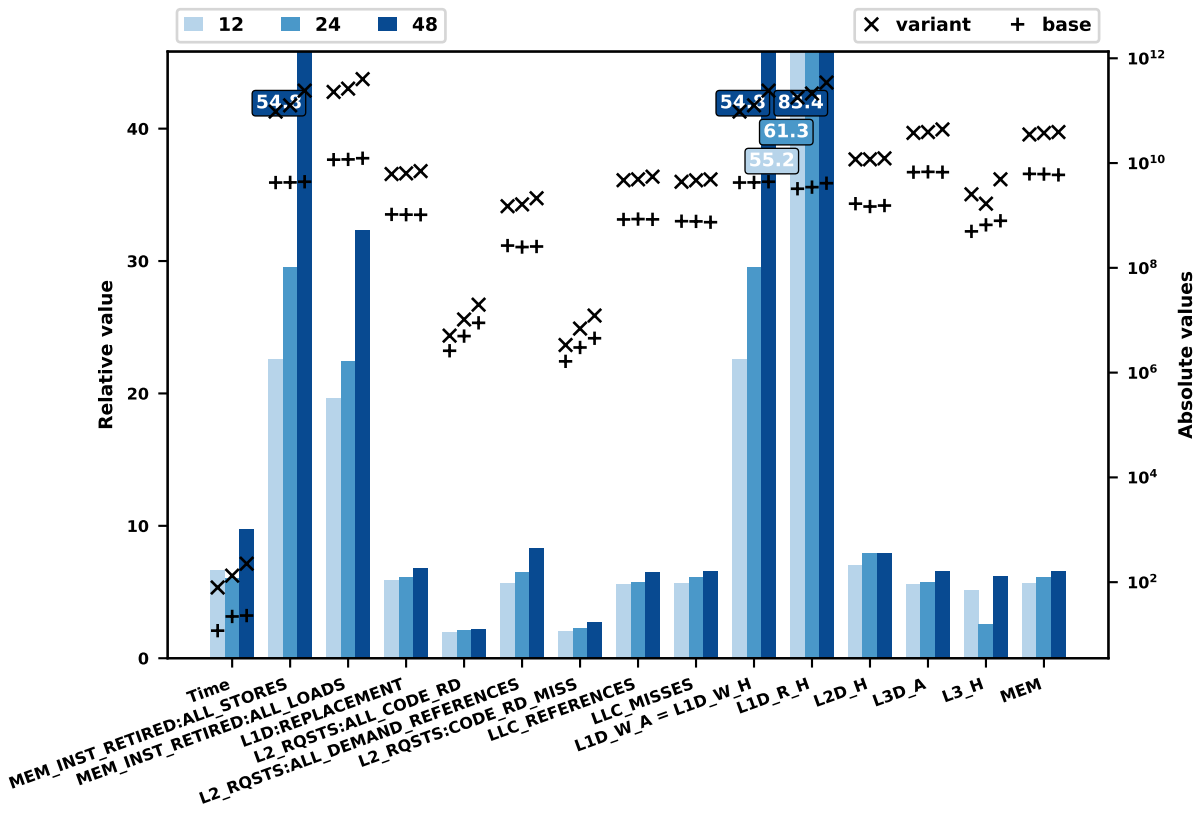
A. Comparing 370.mgrid331-tsan variant
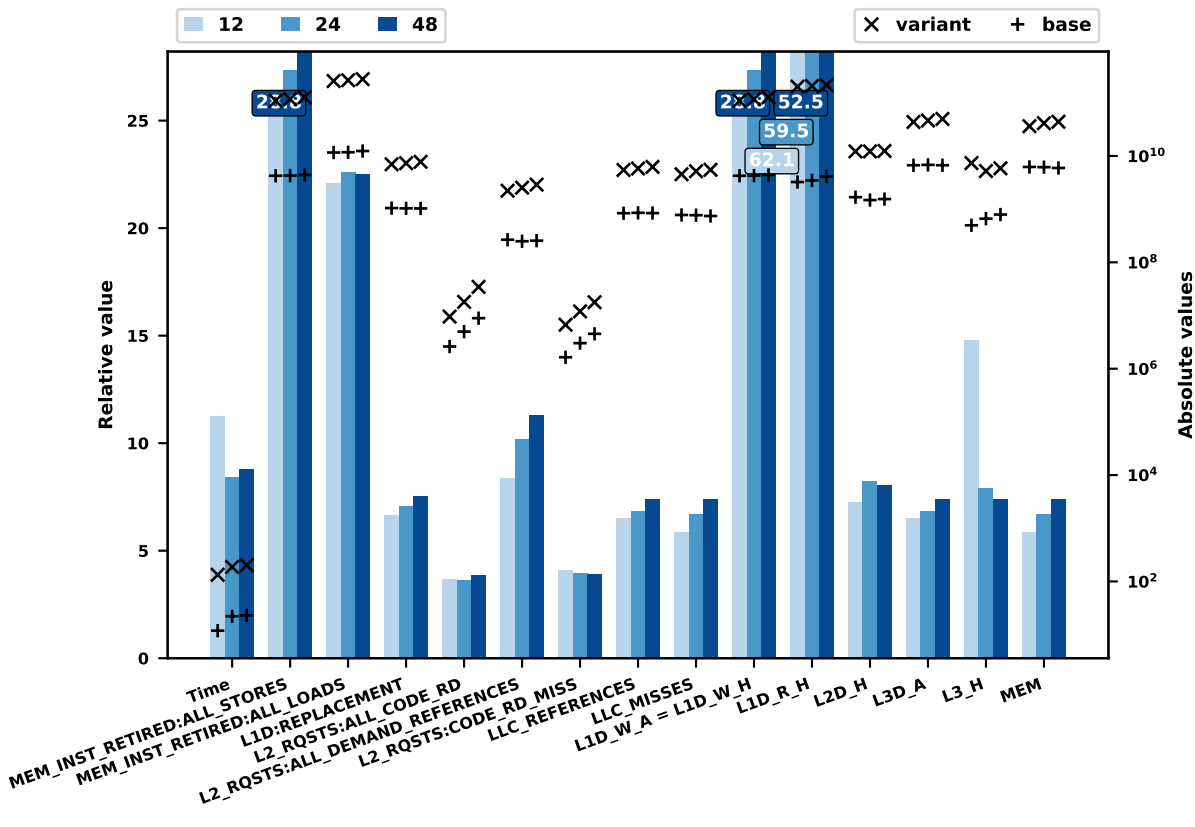with base for region ImplTaskRegion20

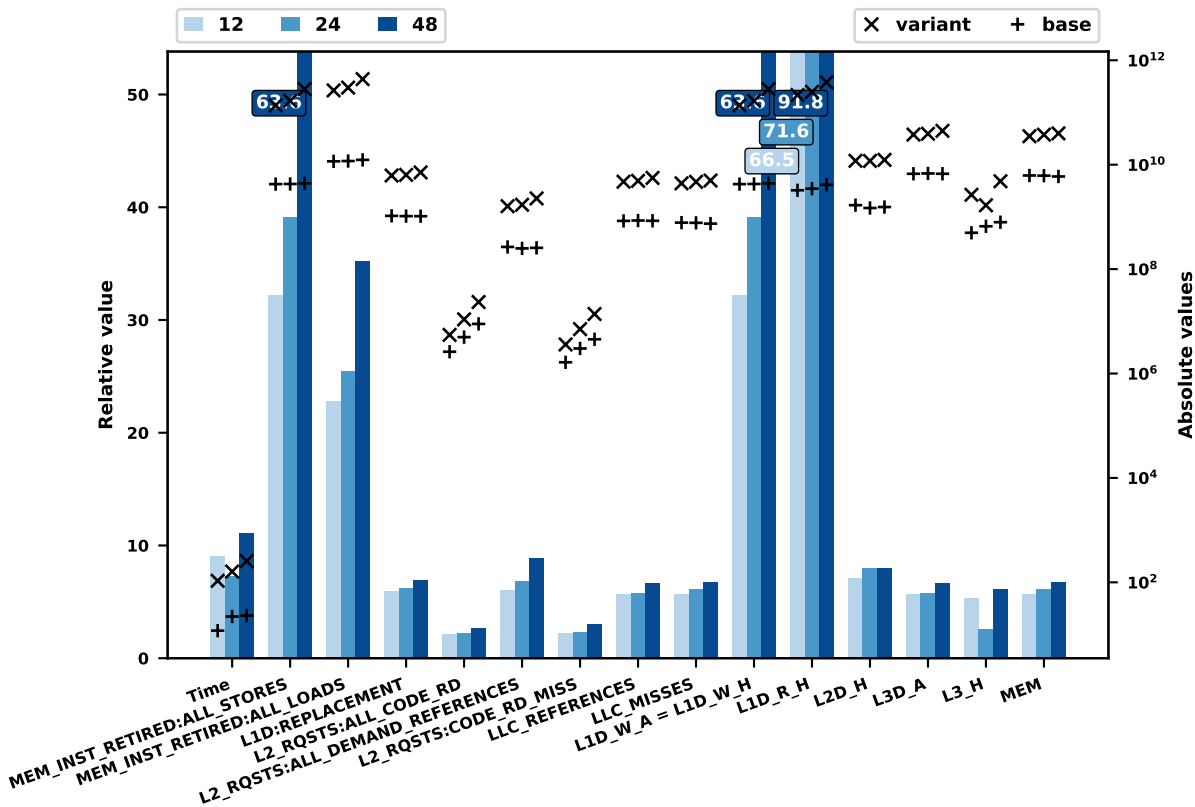**A. Comparing 370.mgrid331-archer variant with base for region ImplTaskRegion20**

A. Comparing 370.mgrid331-tsan-noread variant with base for region ImplTaskRegion21
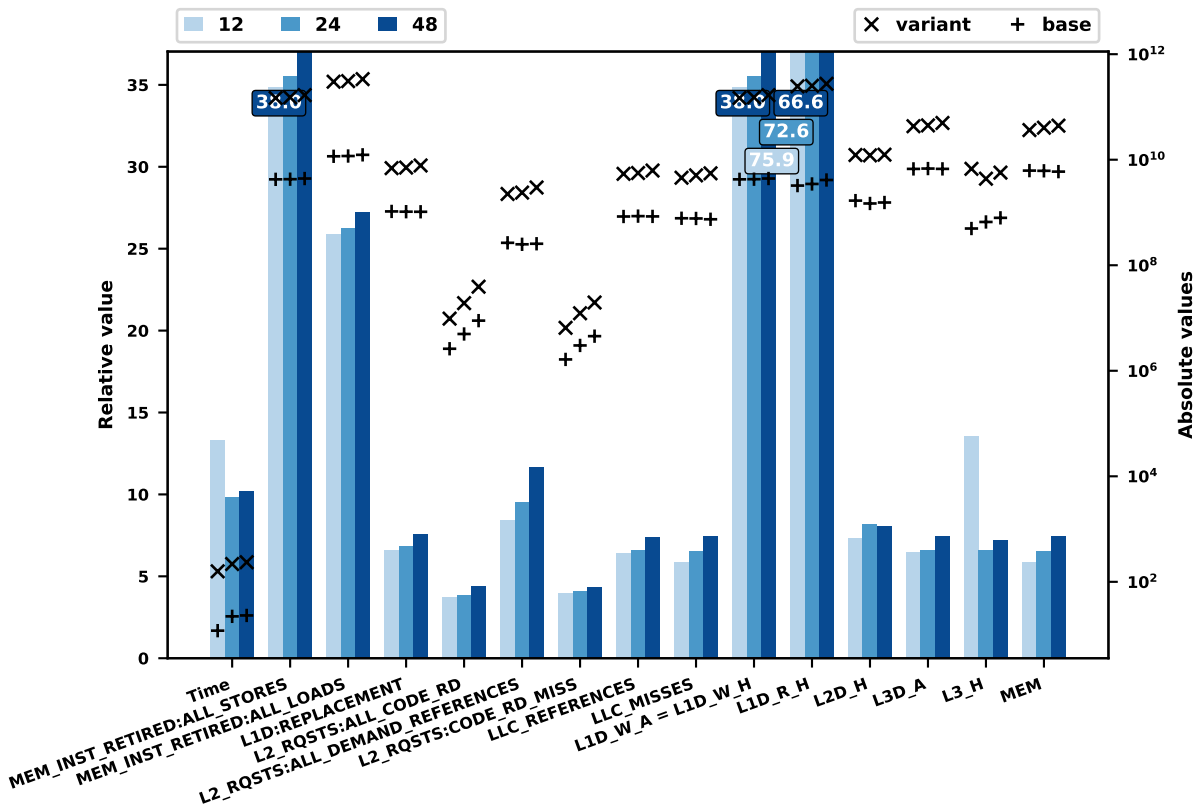
A. Comparing 370.mgrid331-archer-noread variant with base for region ImplTaskRegion21
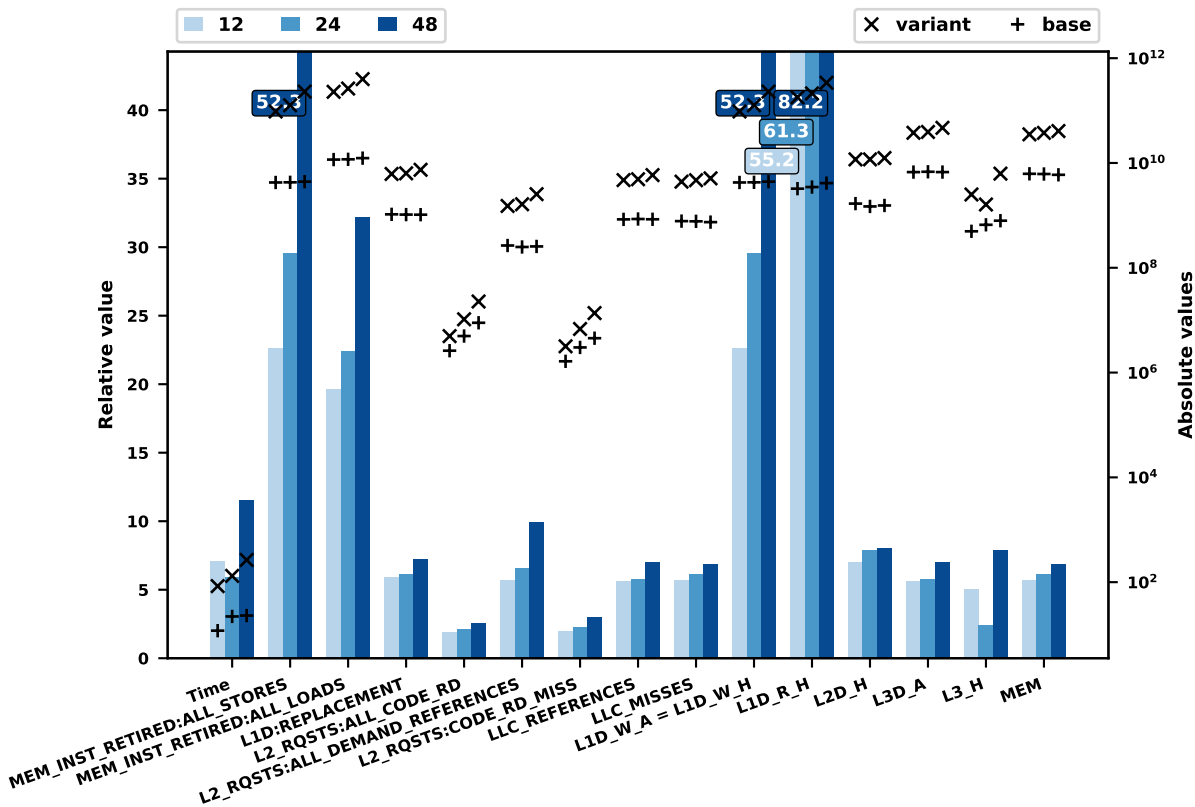
A. Comparing 370.mgrid331-tsan-sampling variant with base for region ImplTaskRegion21

A. Comparing 370.mgrid331-archer-sampling variant with base for region ImplTaskRegion21

A. Comparing 370.mgrid331-tsan variant with base for region ImplTaskRegion21

A. Comparing 370.mgrid331-archer variant with base for region ImplTaskRegion21

Legend: 12, 24, 48 (bar colors); × variant, + base (markers)

X-axis labels: Time, MEM_INST_RETIRED:ALL_STORES, MEM_INST_RETIRED:ALL_LOADS, L1D:REPLACEMENT, L2_RQSTS:ALL_CODE_RD, L2_RQSTS:ALL_DEMAND_REFERENCES, L2_RQSTS:CODE_RD_MISS, LLC_REFERENCES, LLC_MISSES, L1D_W_A = L1D_W_H, L1D_R_H, L2D_H, L3D_A, L3_H, MEM

Y-axis (left): Relative value
Y-axis (right): Absolute values

Boxed labels: 2XXX, 2XXX, 52.9, 57.7, 60.4