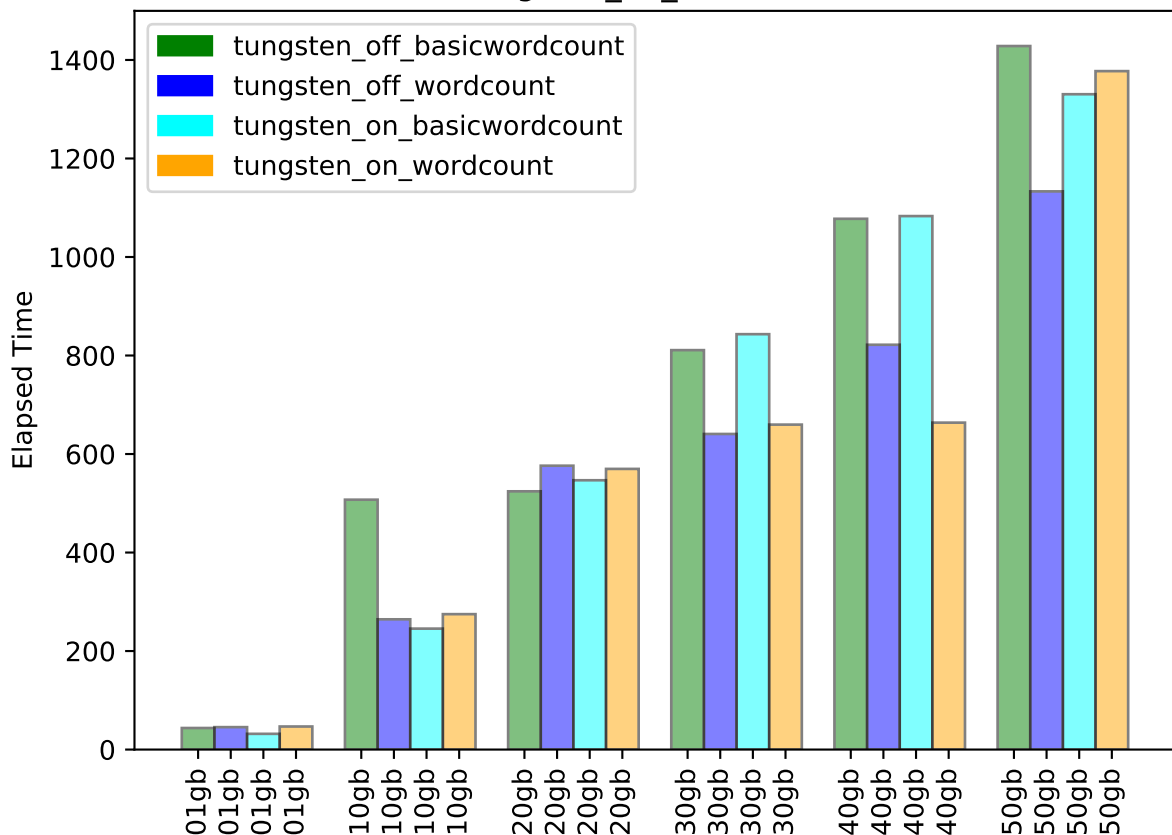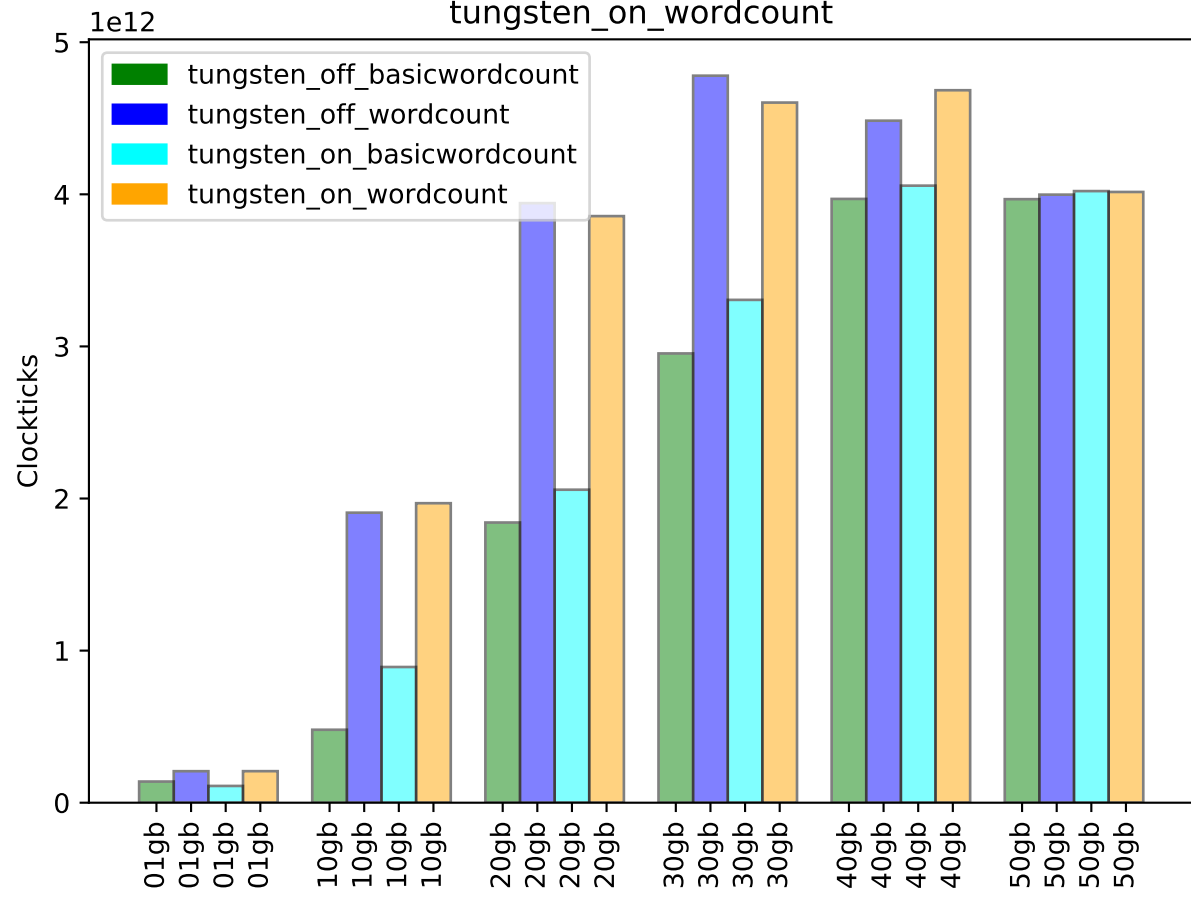tungsten_on_wordcount

tungsten_on_wordcount

tungsten_on_wordcount

tungsten_on_wordcount

tungsten_on_wordcount

tungsten_on_wordcount

tungsten_on_wordcount

tungsten_on_wordcount
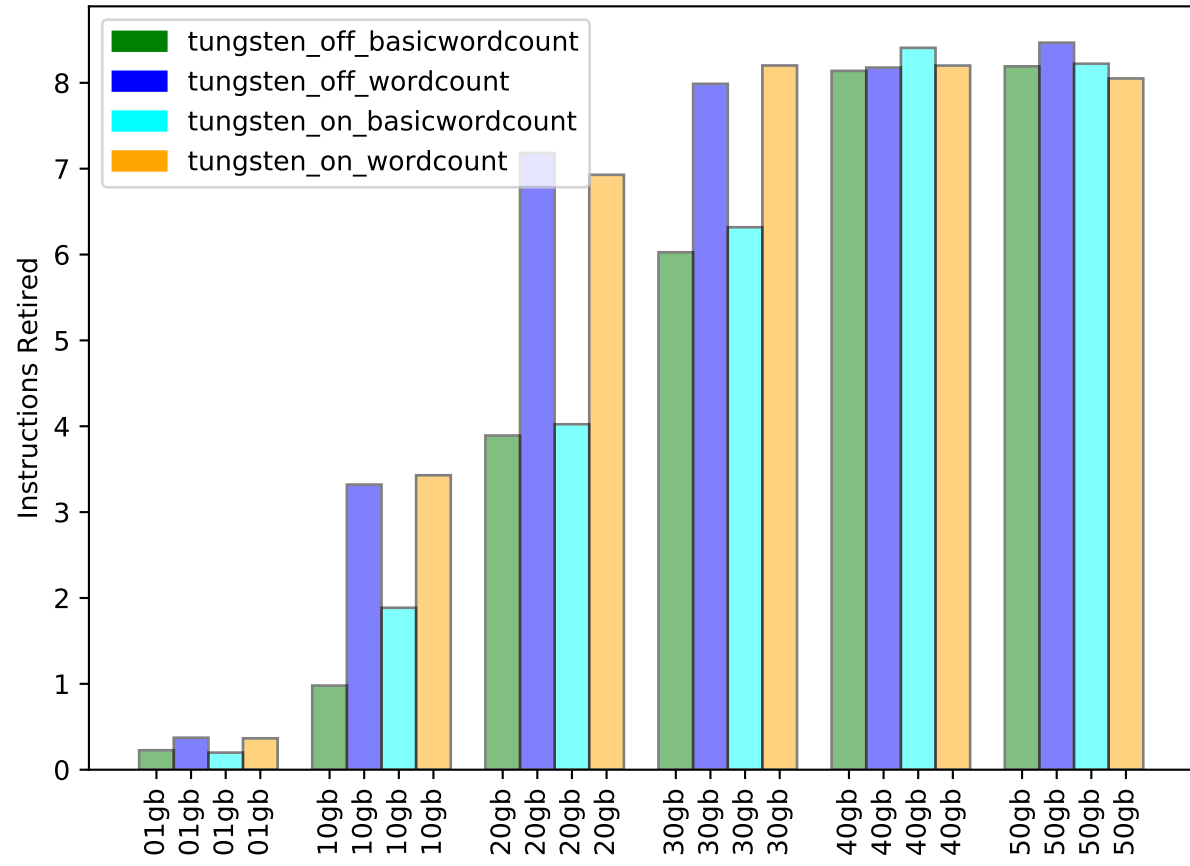
tungsten_on_wordcount

tungsten_on_wordcount

tungsten_on_wordcount

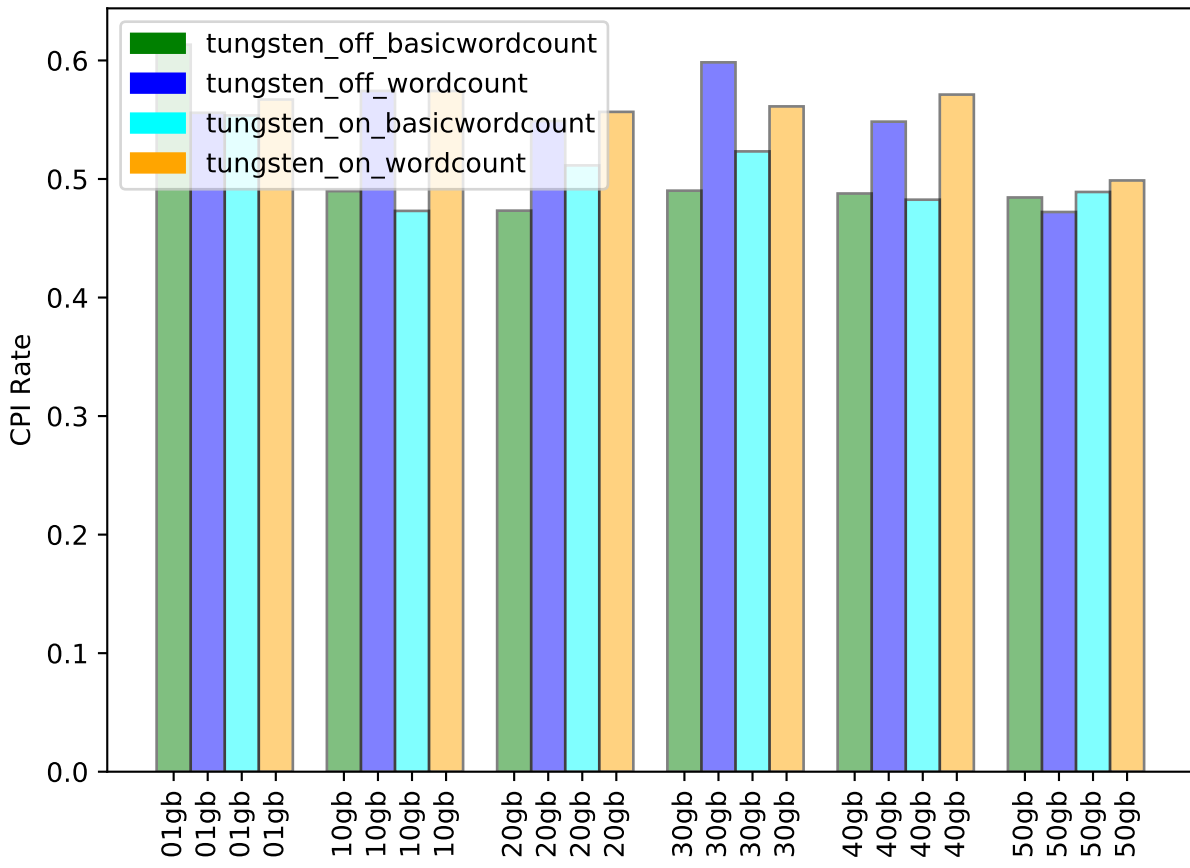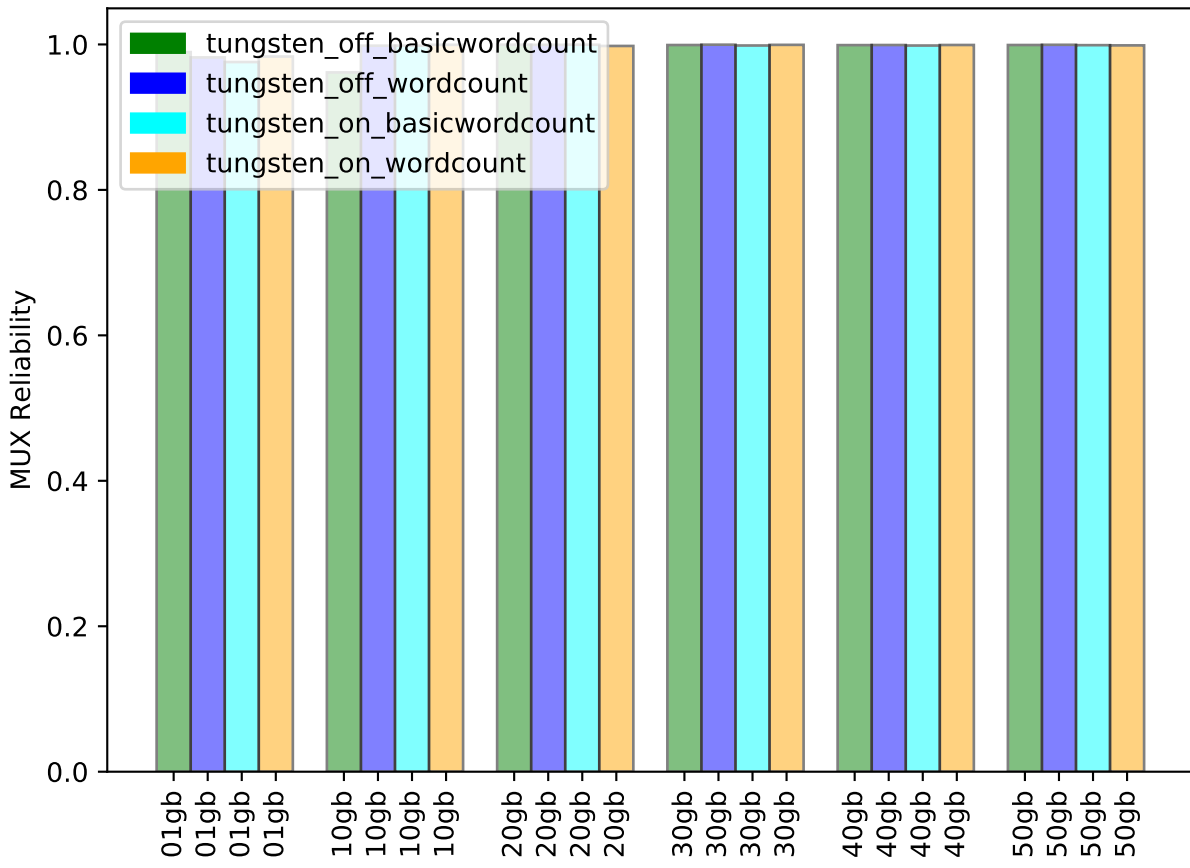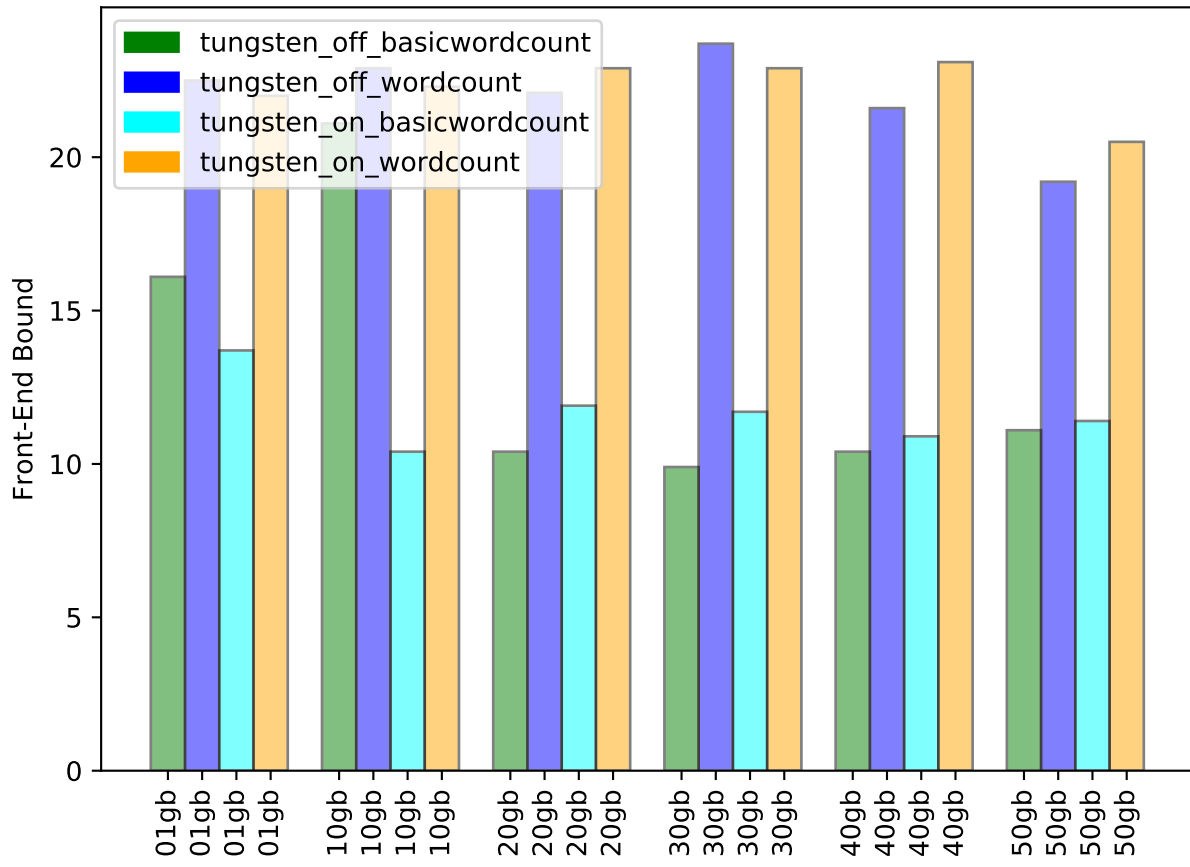tungsten_on_wordcount

Legend:
- tungsten_off_basicwordcount
- tungsten_off_wordcount
- tungsten_on_basicwordcount
- tungsten_on_wordcount

Y-axis: Clears Resteers

X-axis: 01gb, 10gb, 20gb, 30gb, 40gb, 50gb

tungsten_on_wordcount

Legend:
- tungsten_off_basicwordcount (green)
- tungsten_off_wordcount (blue)
- tungsten_on_basicwordcount (cyan)
- tungsten_on_wordcount (orange)

Y-axis: Unknown Branches

X-axis categories: 01gb, 10gb, 20gb, 30gb, 40gb, 50gb

tungsten_on_wordcount

tungsten_on_wordcount

tungsten_on_wordcount

Legend:
- tungsten_off_basicwordcount
- tungsten_off_wordcount
- tungsten_on_basicwordcount
- tungsten_on_wordcount

Y-axis: MS Switches

X-axis categories: 01gb, 10gb, 20gb, 30gb, 40gb, 50gb

tungsten_on_wordcount

- tungsten_off_basicwordcount
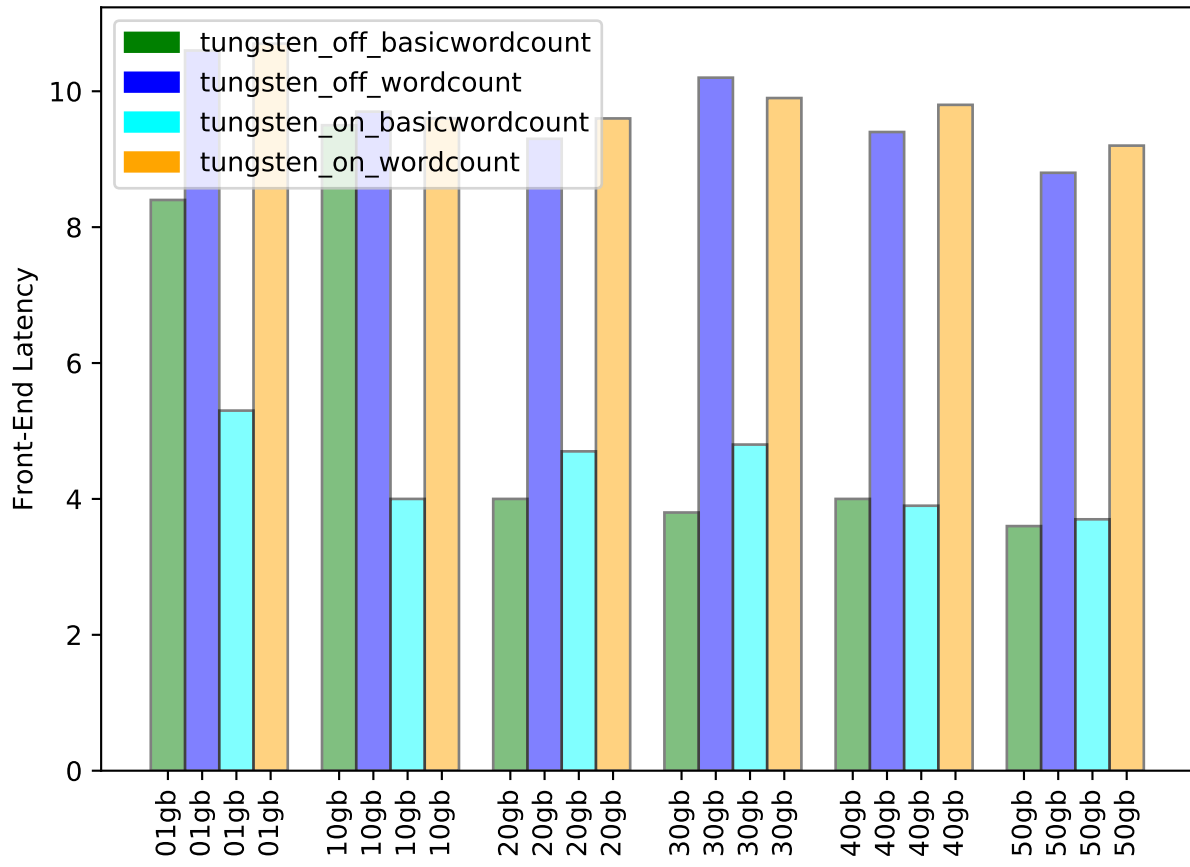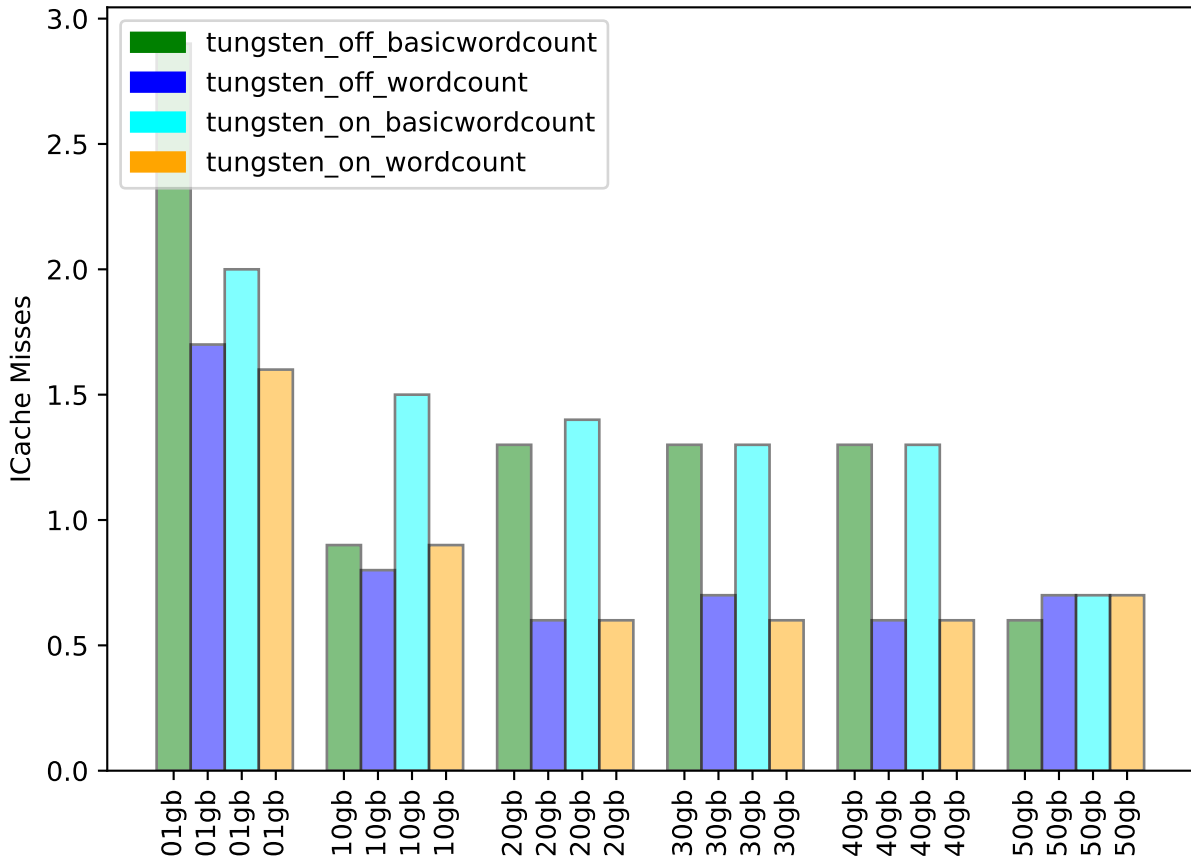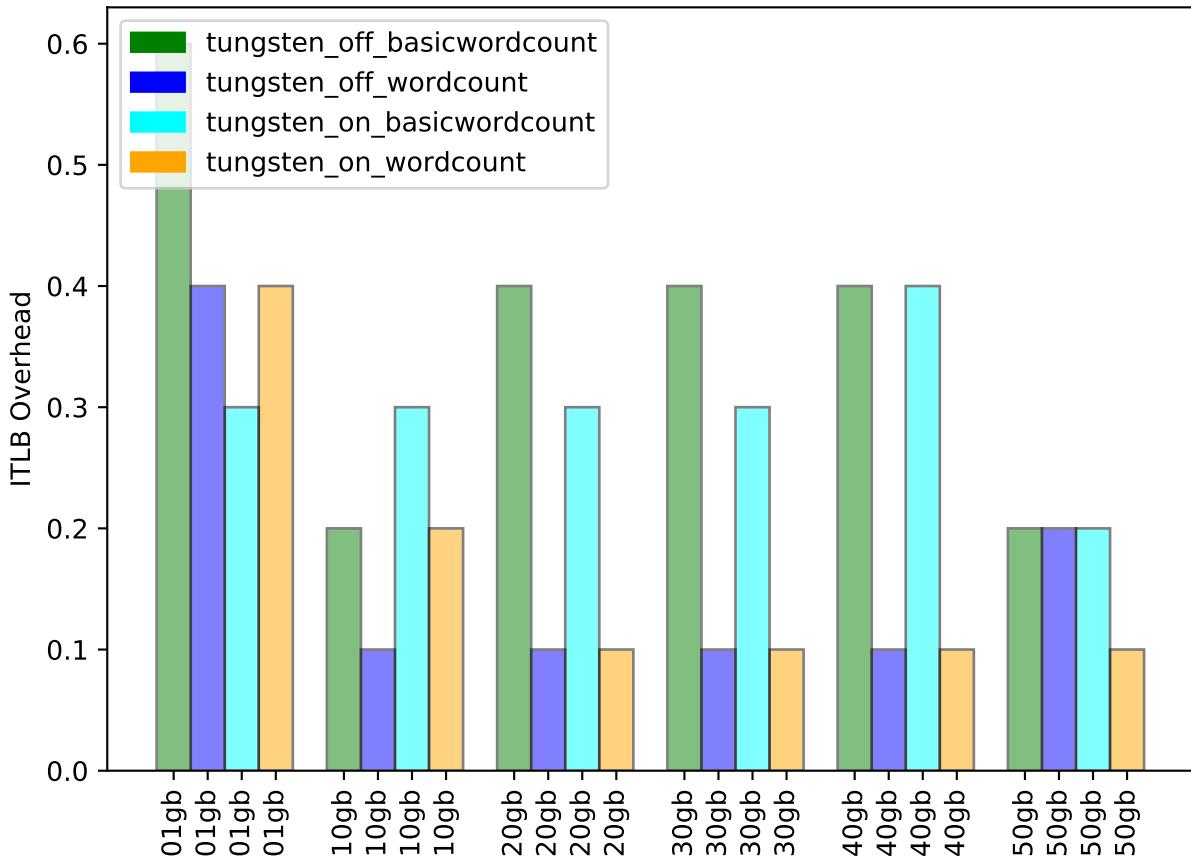- tungsten_off_wordcount
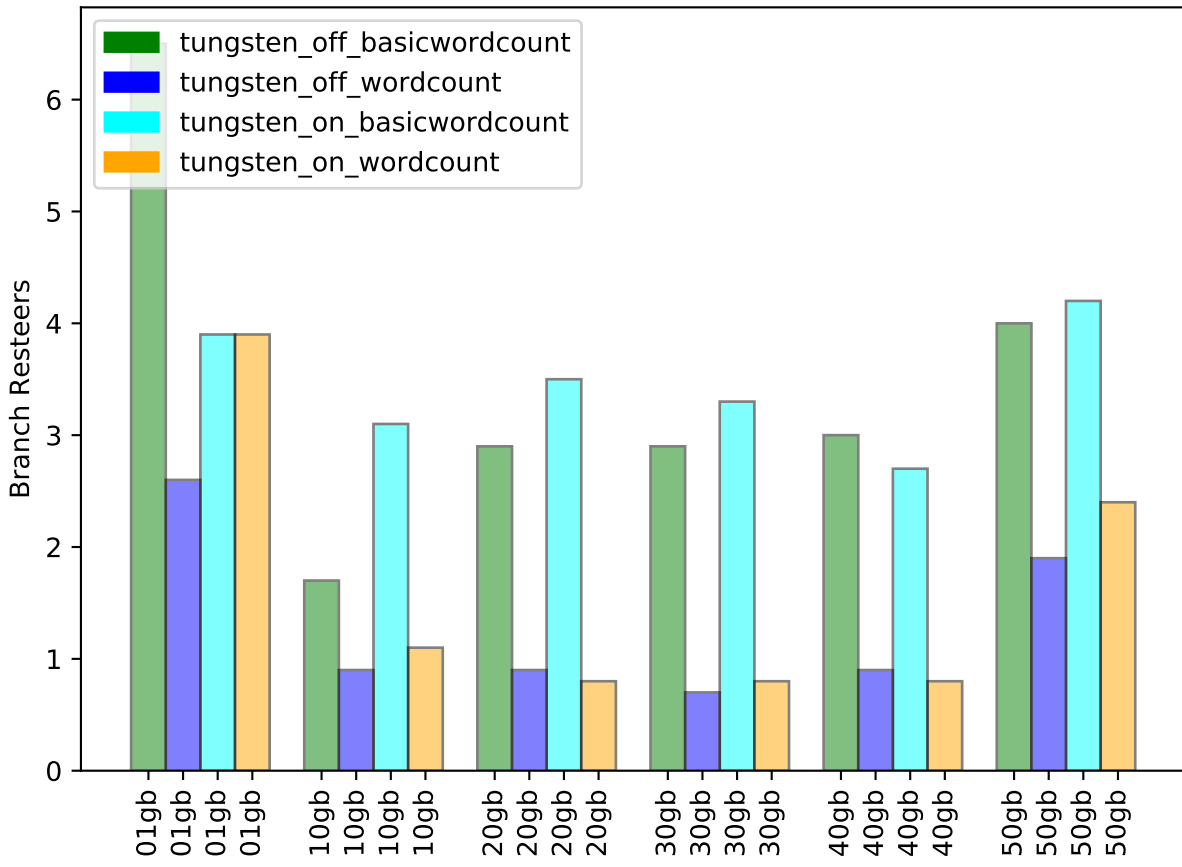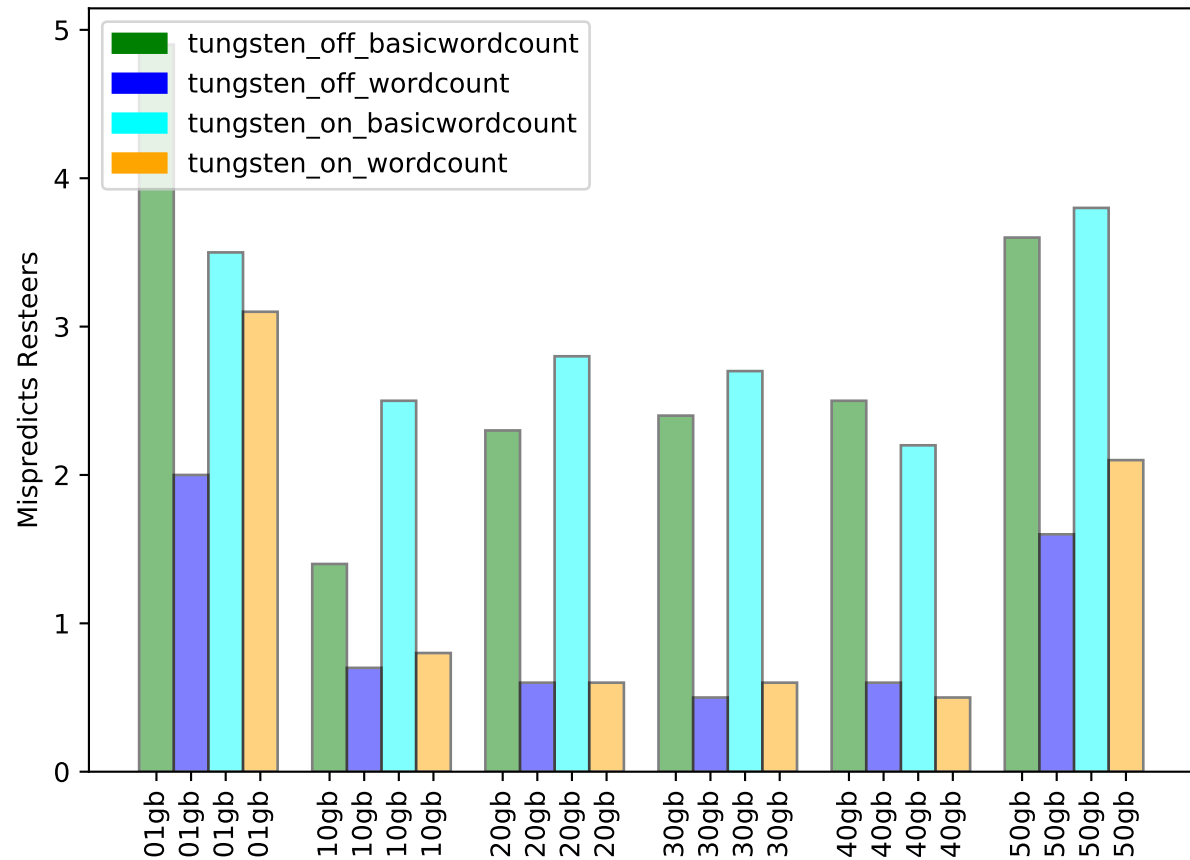- tungsten_on_basicwordcount
- tungsten_on_wordcount

tungsten_on_wordcount

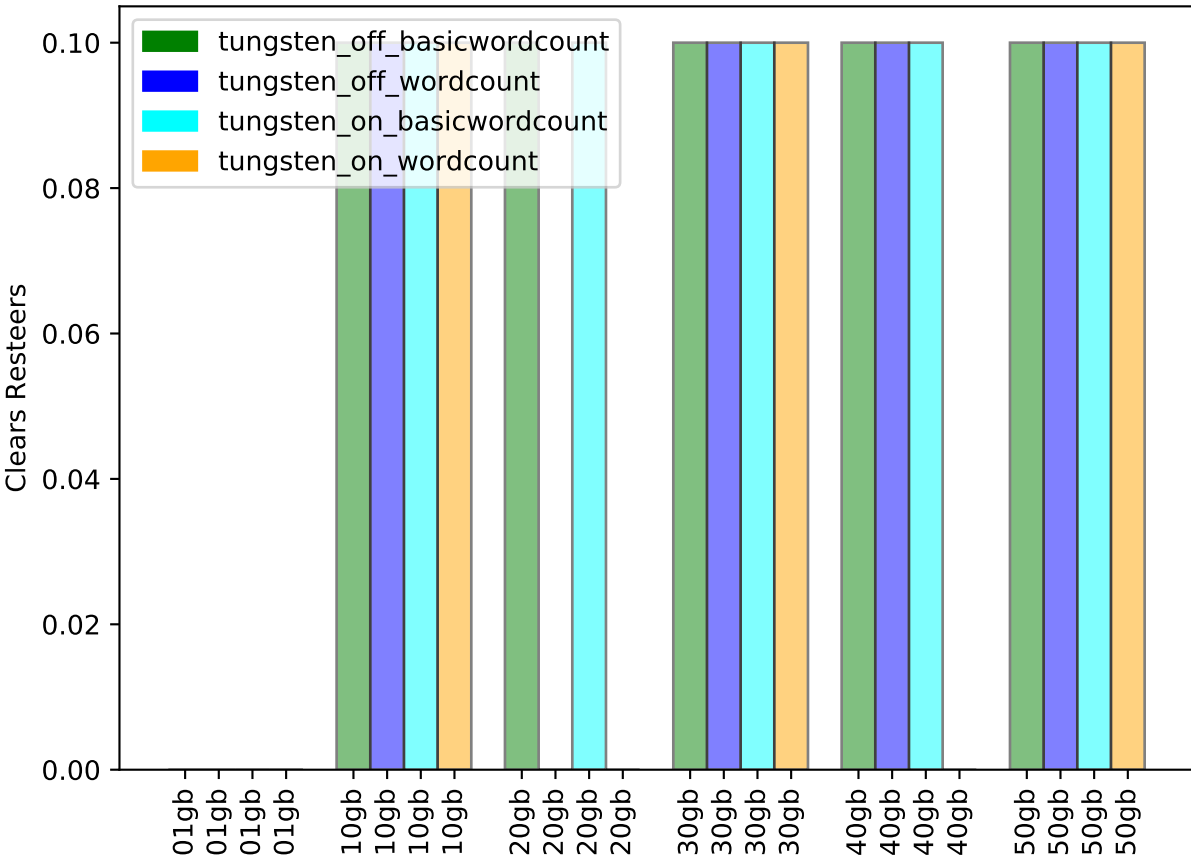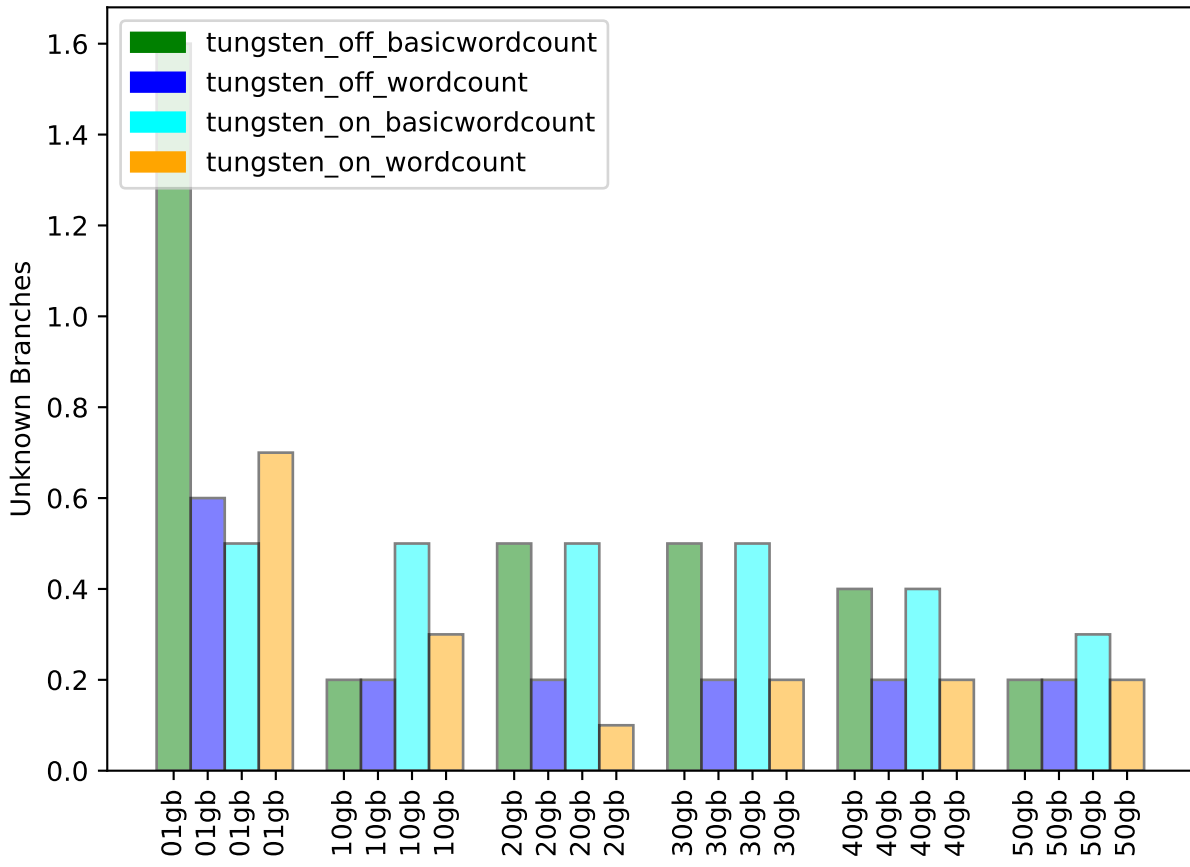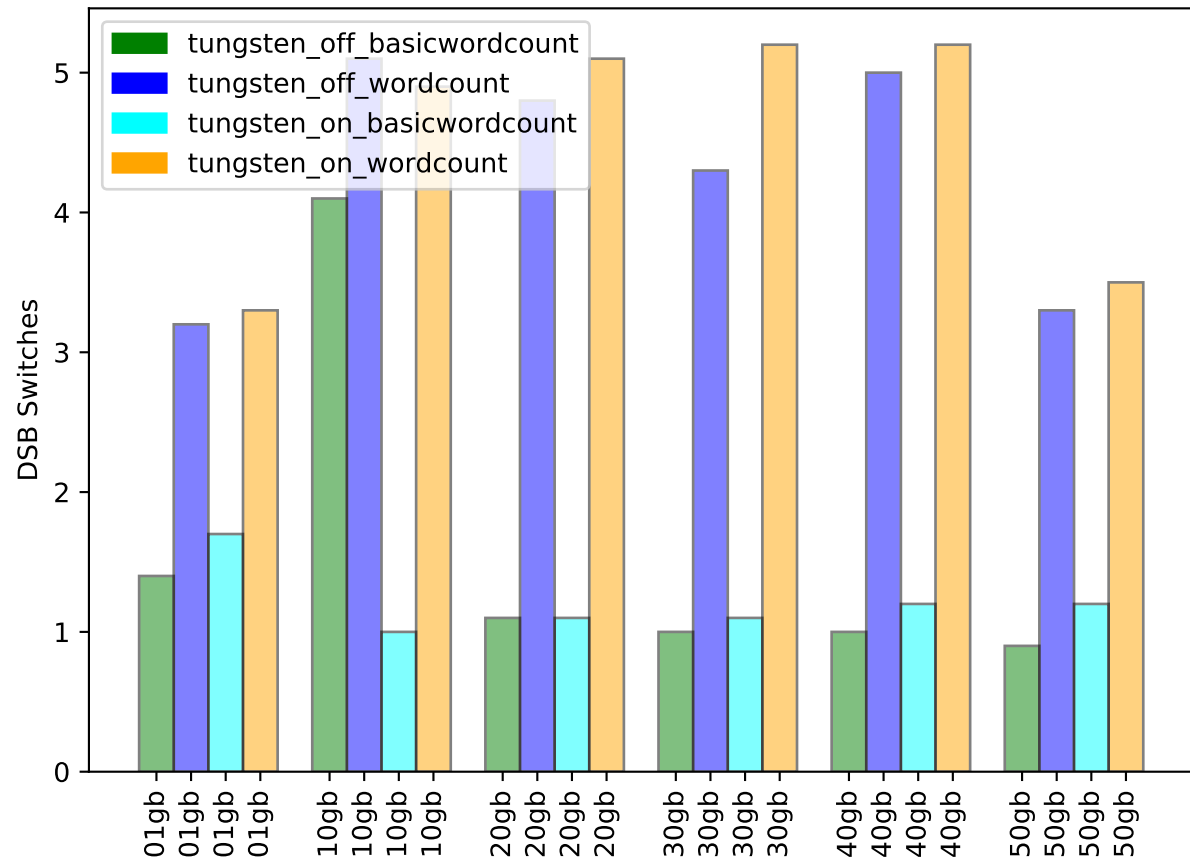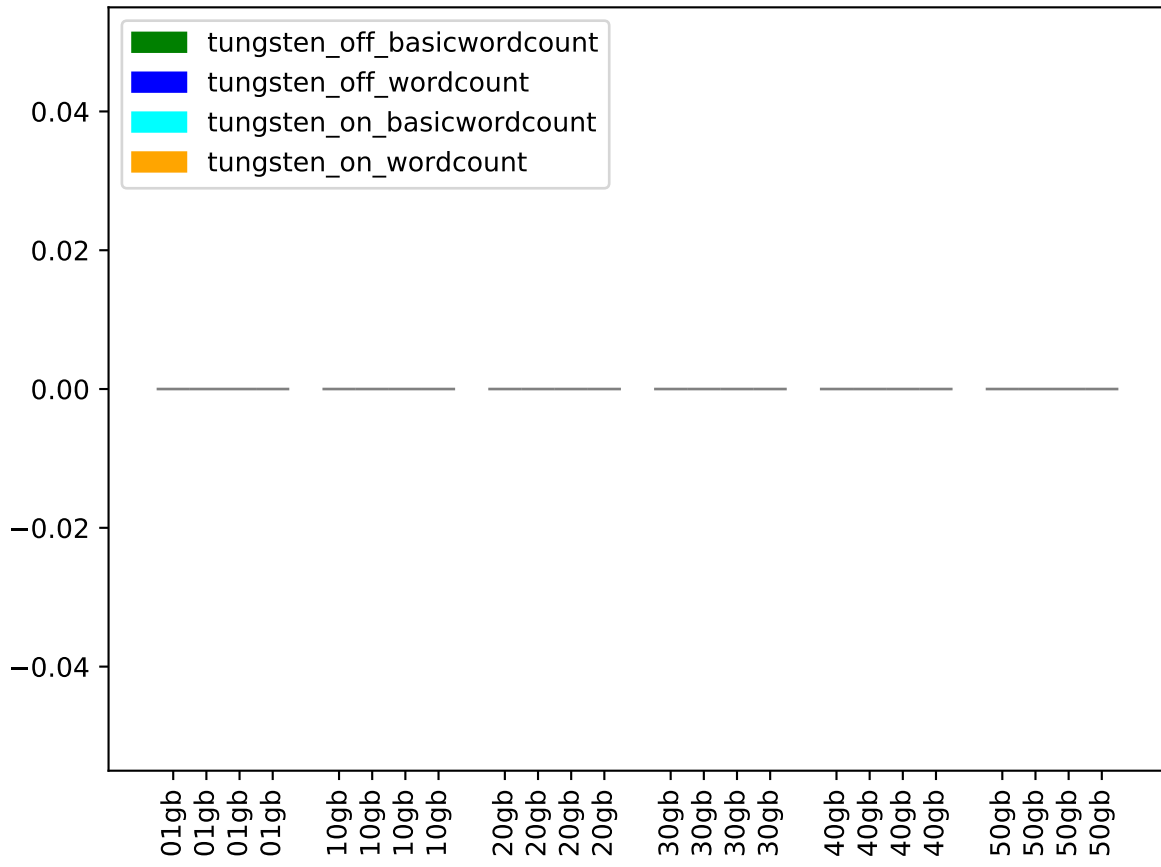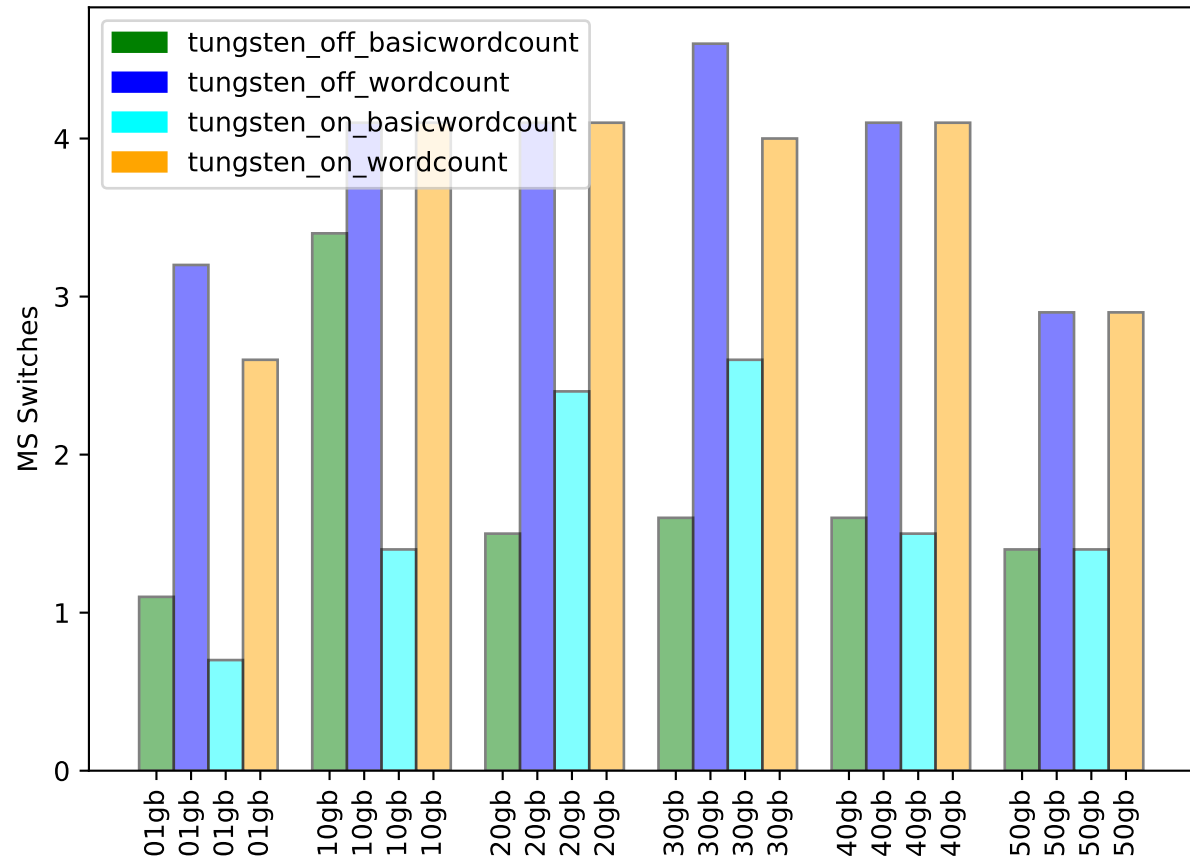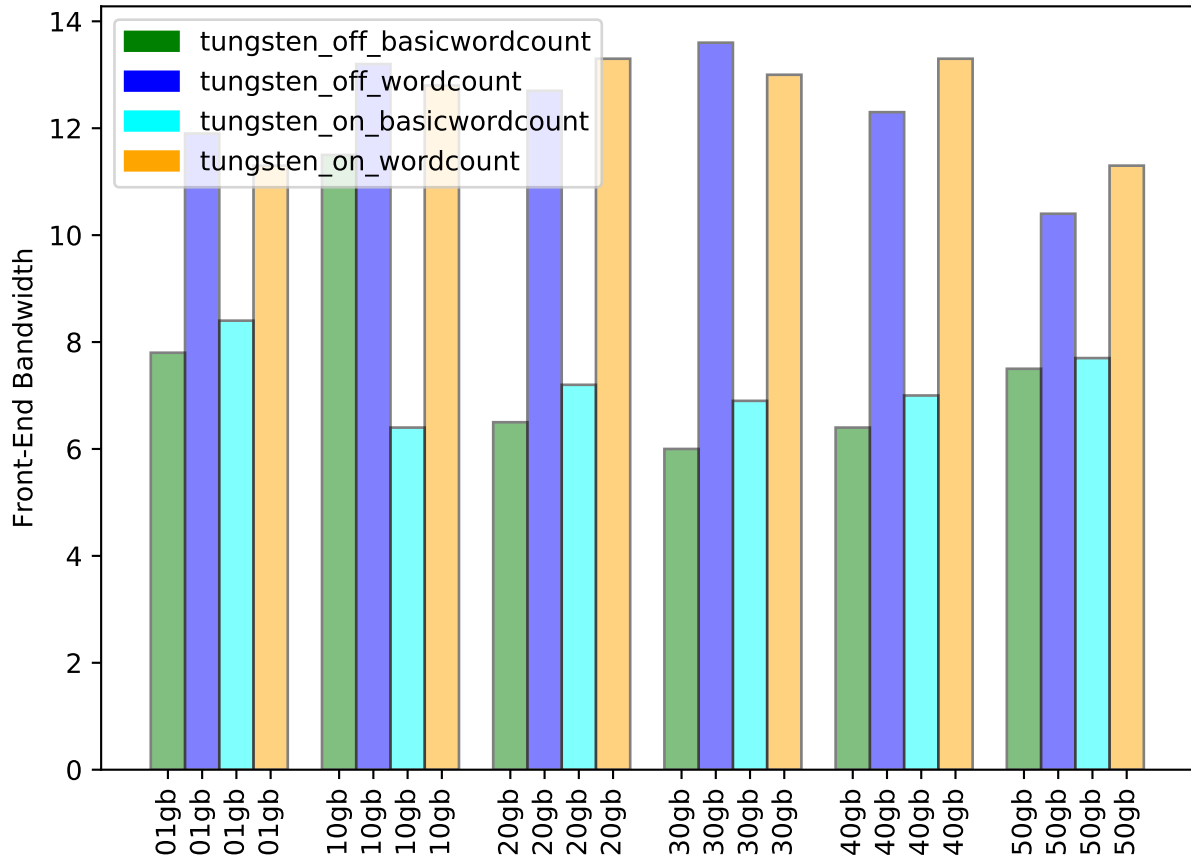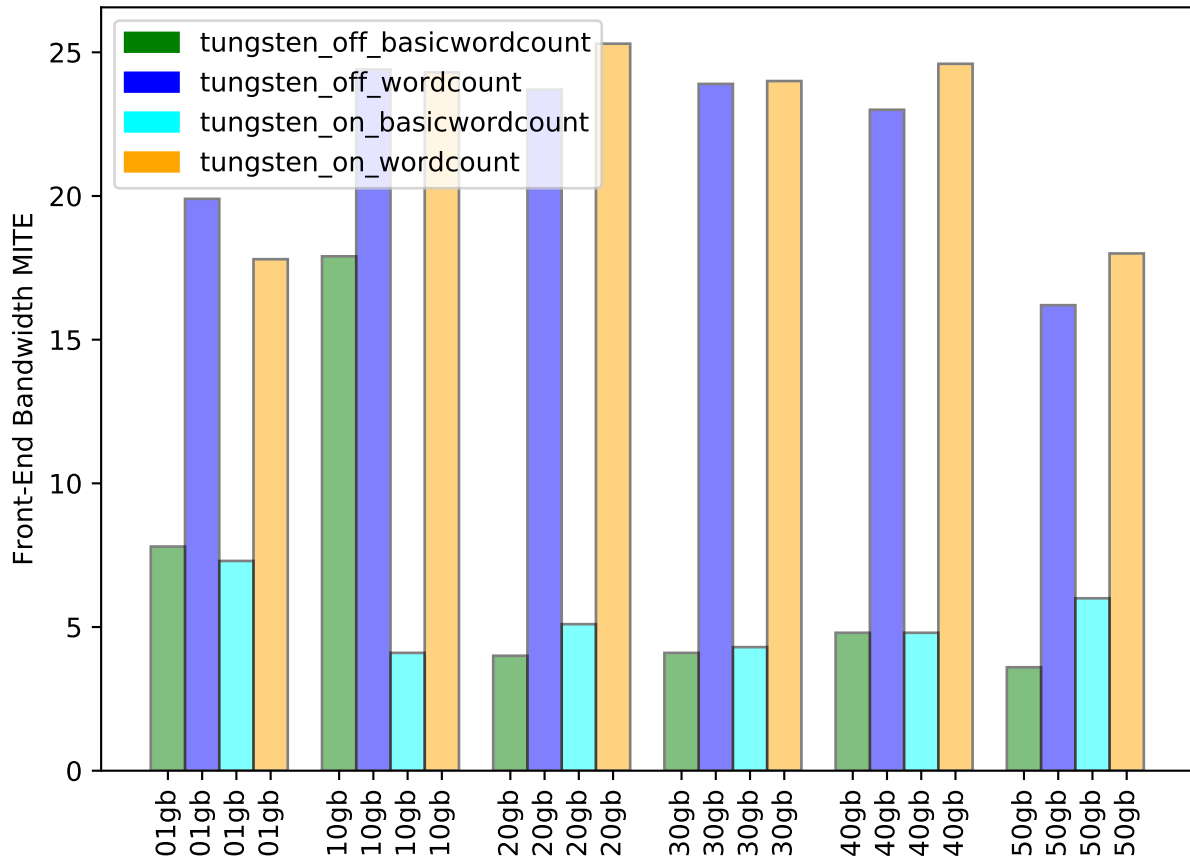tungsten_on_wordcount

tungsten_on_wordcount

Legend:
- tungsten_off_basicwordcount
- tungsten_off_wordcount
- tungsten_on_basicwordcount
- tungsten_on_wordcount

Y-axis: Front-End Bandwidth LSD

X-axis categories: 01gb, 10gb, 20gb, 30gb, 40gb, 50gb

tungsten_on_wordcount

tungsten_on_wordcount

tungsten_on_wordcount

Legend:
- tungsten_off_basicwordcount
- tungsten_off_wordcount
- tungsten_on_basicwordcount
- tungsten_on_wordcount

Y-axis: Bad Speculation
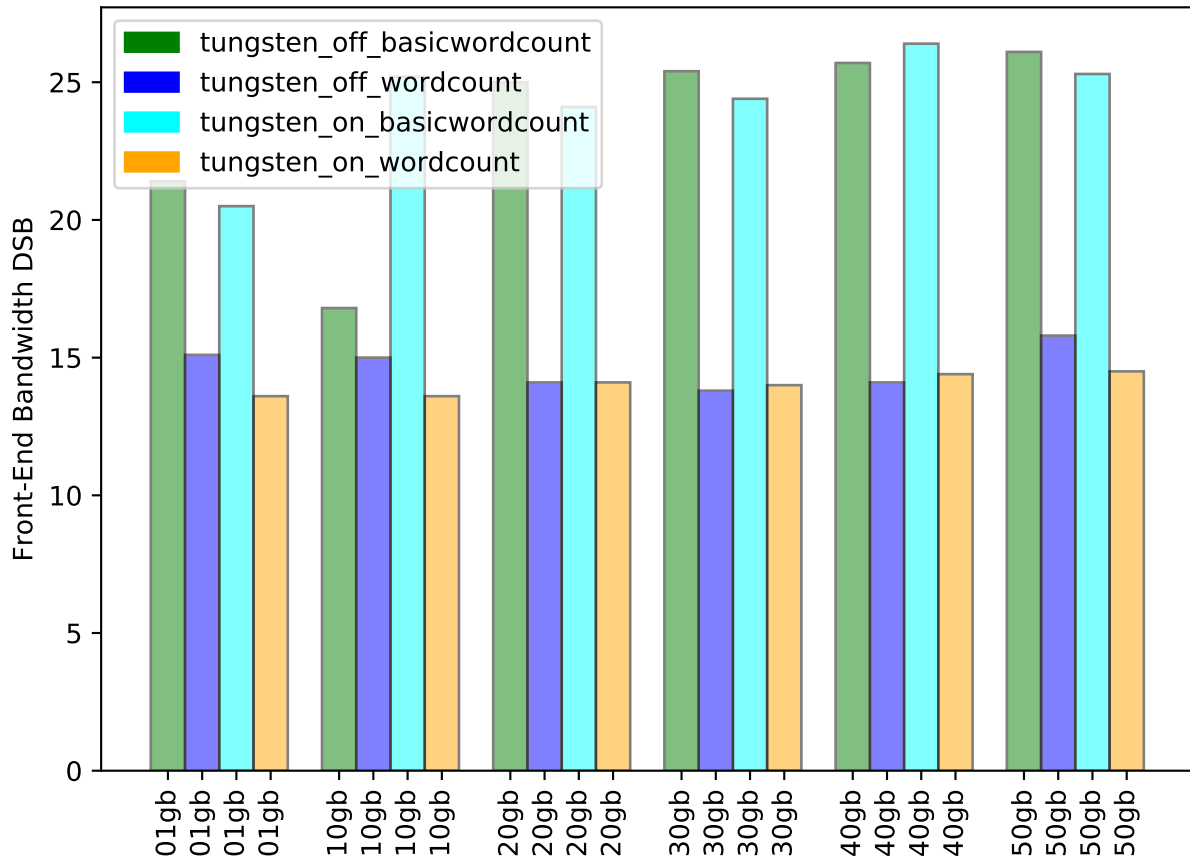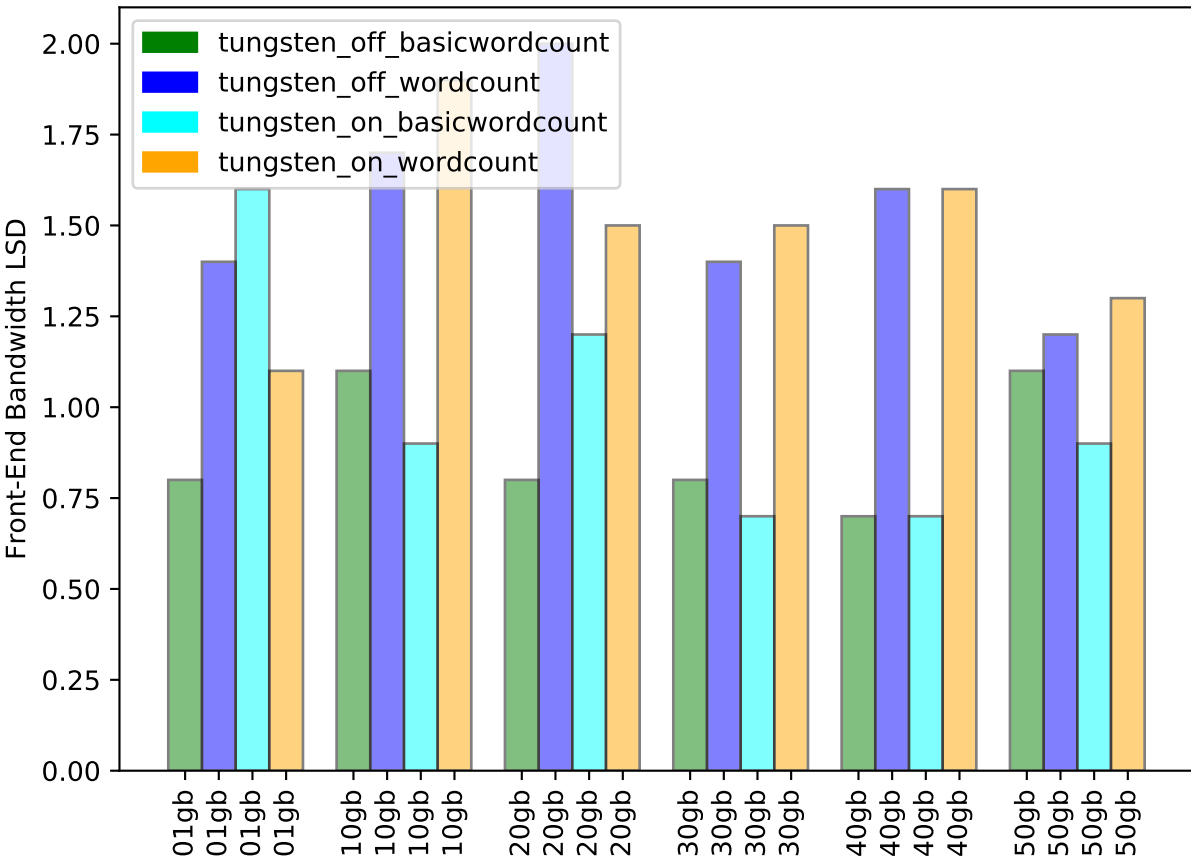
X-axis categories: 01gb, 10gb, 20gb, 30gb, 40gb, 50gb

tungsten_on_wordcount

tungsten_on_wordcount

tungsten_on_wordcount

Legend:
- tungsten_off_basicwordcount
- tungsten_off_wordcount
- tungsten_on_basicwordcount
- tungsten_on_wordcount

Y-axis: Back-End Bound

X-axis categories: 01gb, 10gb, 20gb, 30gb, 40gb, 50gb

tungsten_on_wordcount

Legend:
- tungsten_off_basicwordcount
- tungsten_off_wordcount
- tungsten_on_basicwordcount
- tungsten_on_wordcount

Y-axis: Memory Bound

X-axis categories: 01gb, 10gb, 20gb, 30gb, 40gb, 50gb

tungsten_on_wordcount

tungsten_on_wordcount

Legend:
- tungsten_off_basicwordcount
- tungsten_off_wordcount
- tungsten_on_basicwordcount
- tungsten_on_wordcount

Y-axis: DTLB Overhead

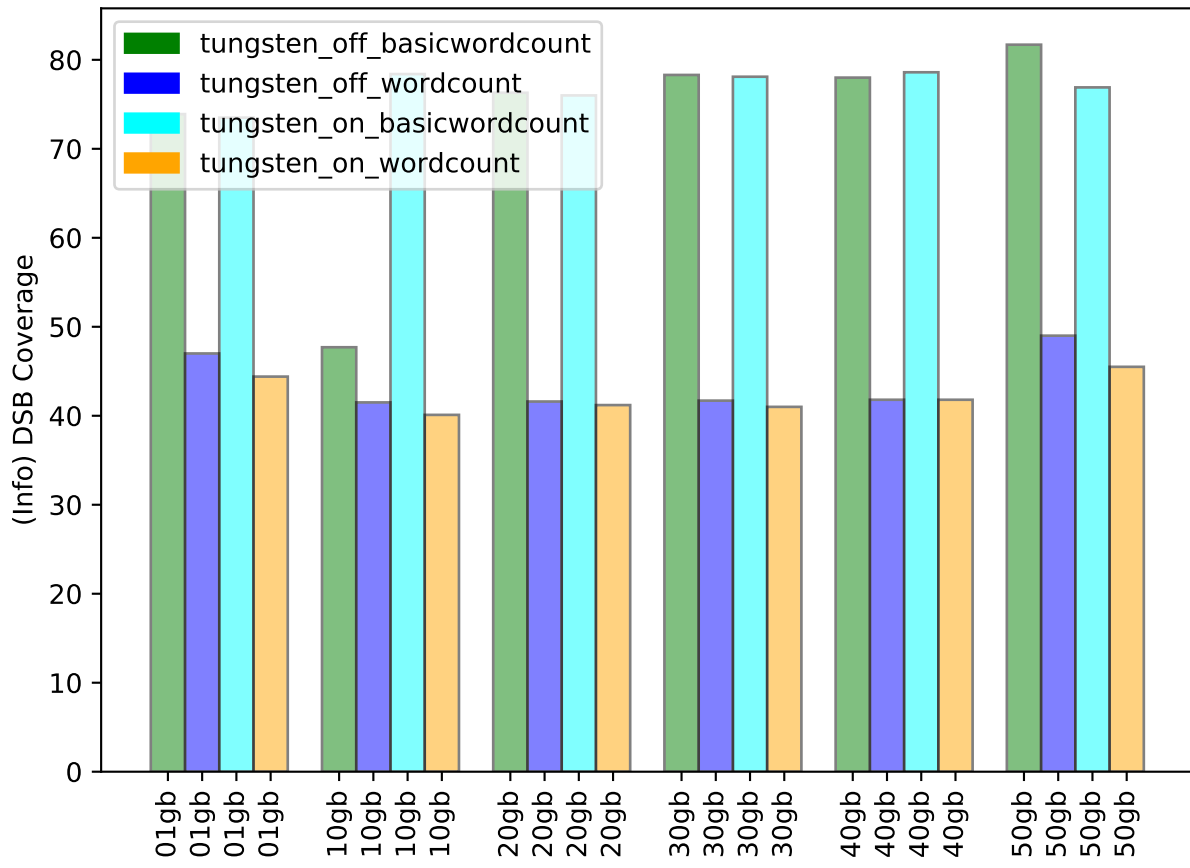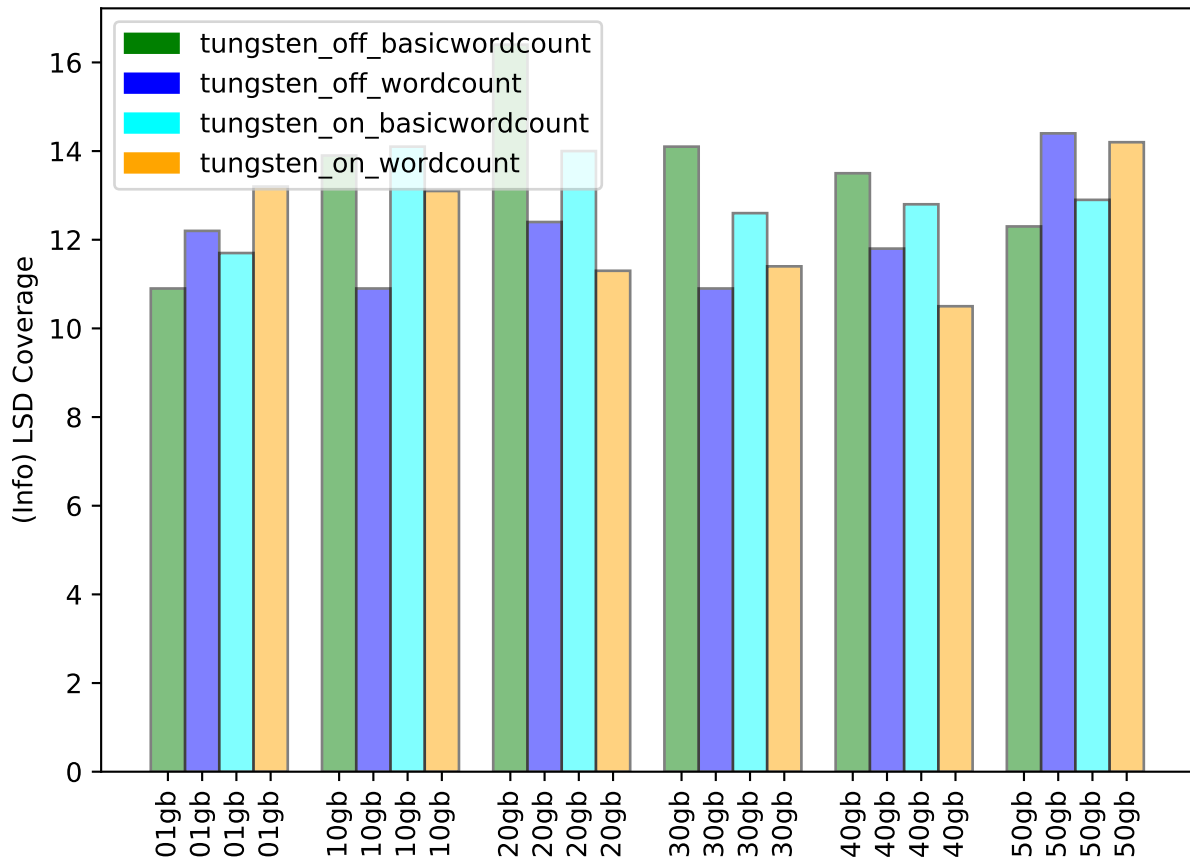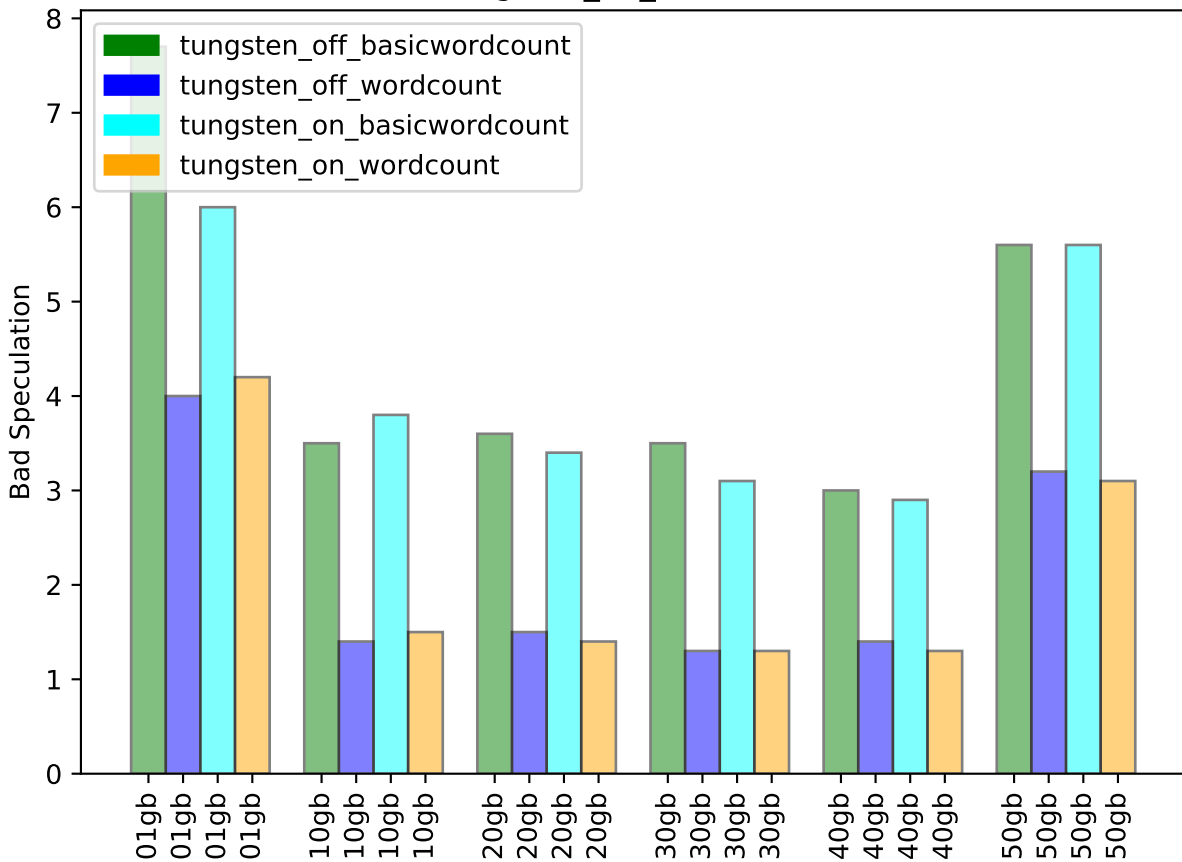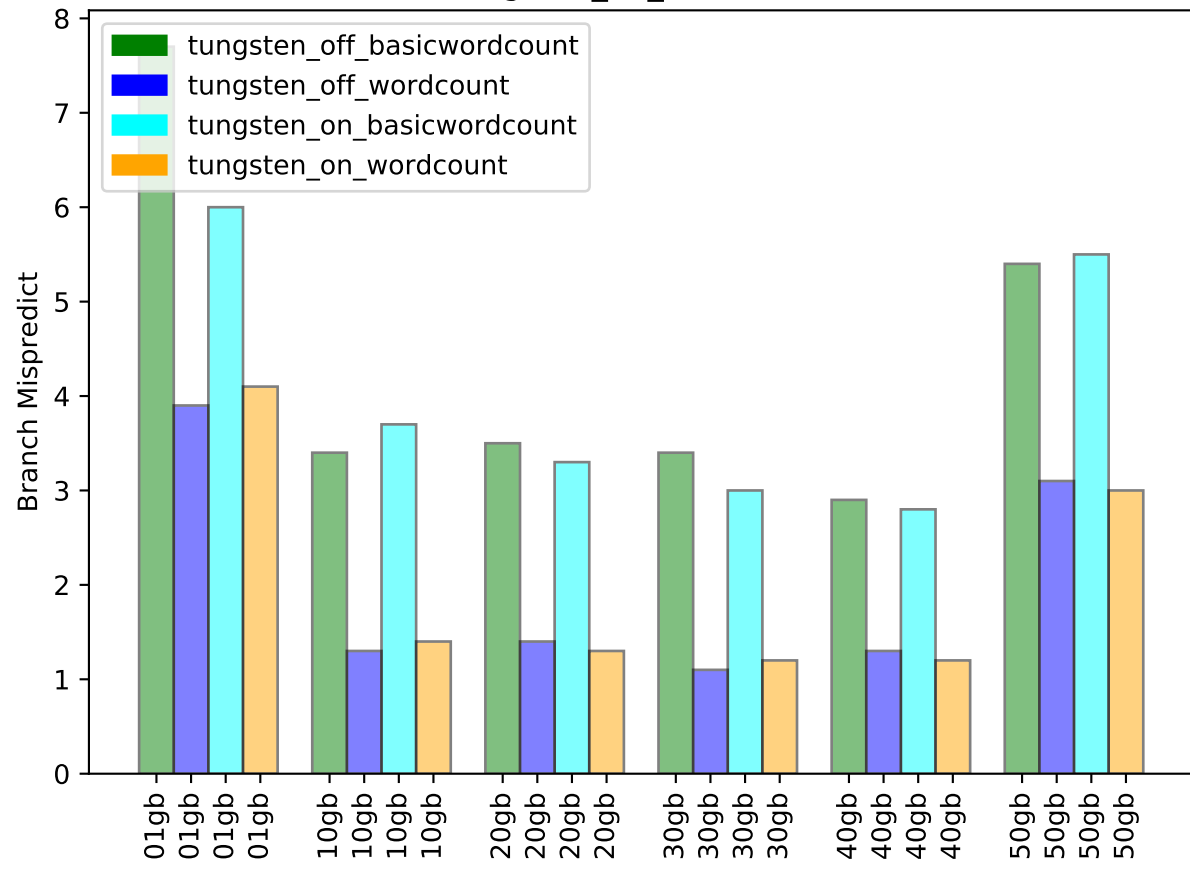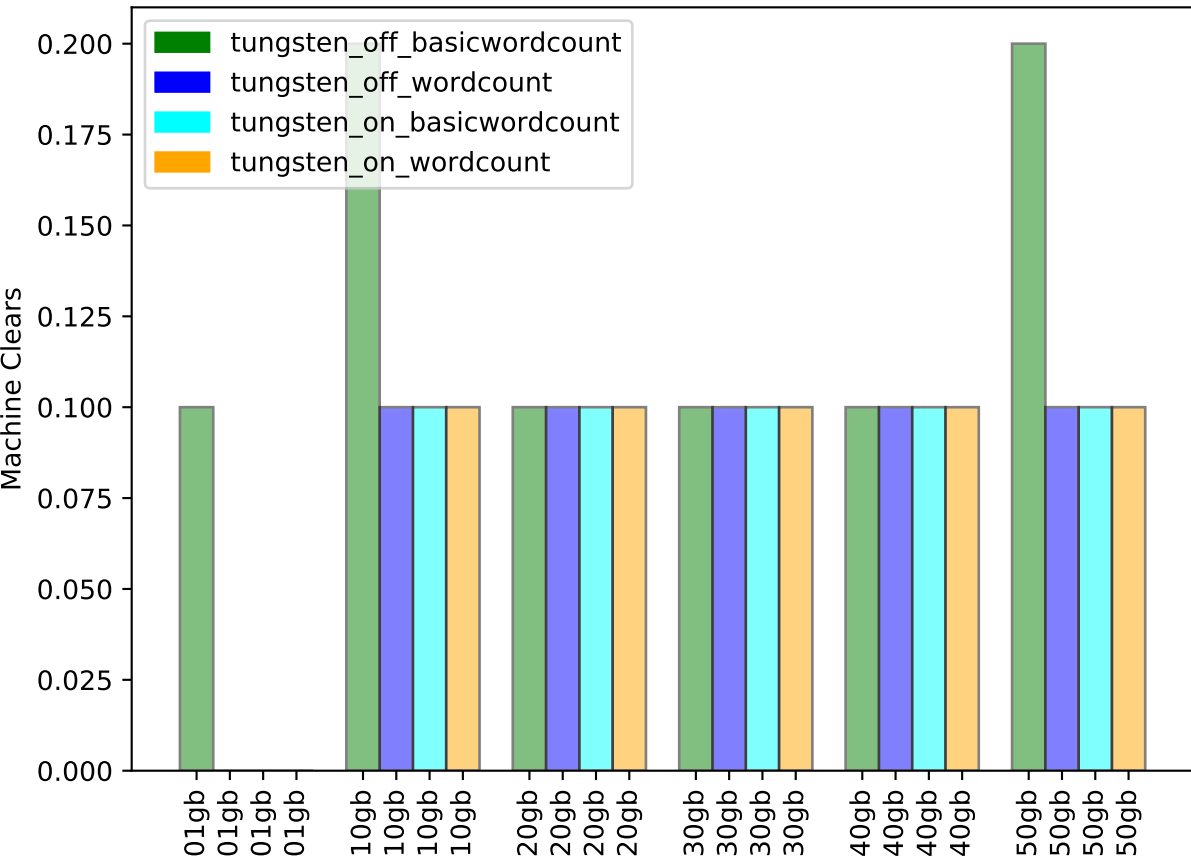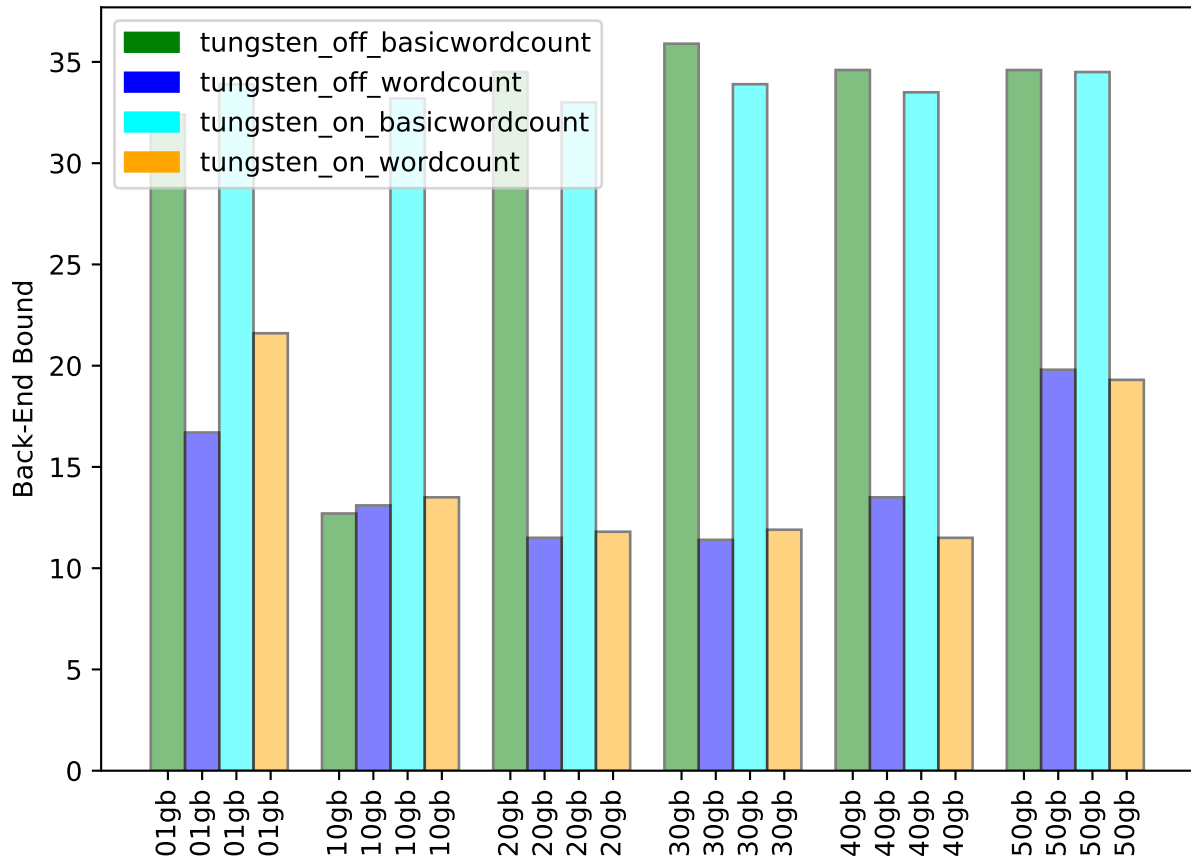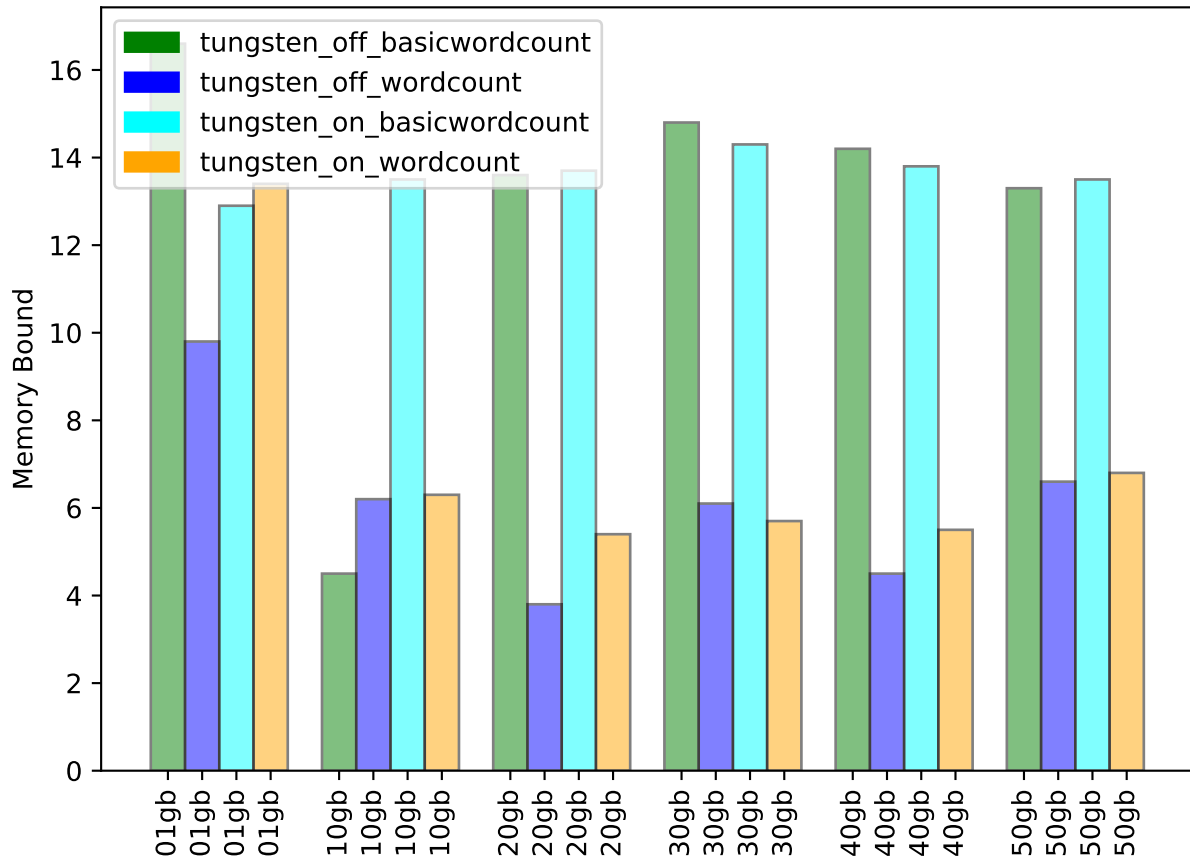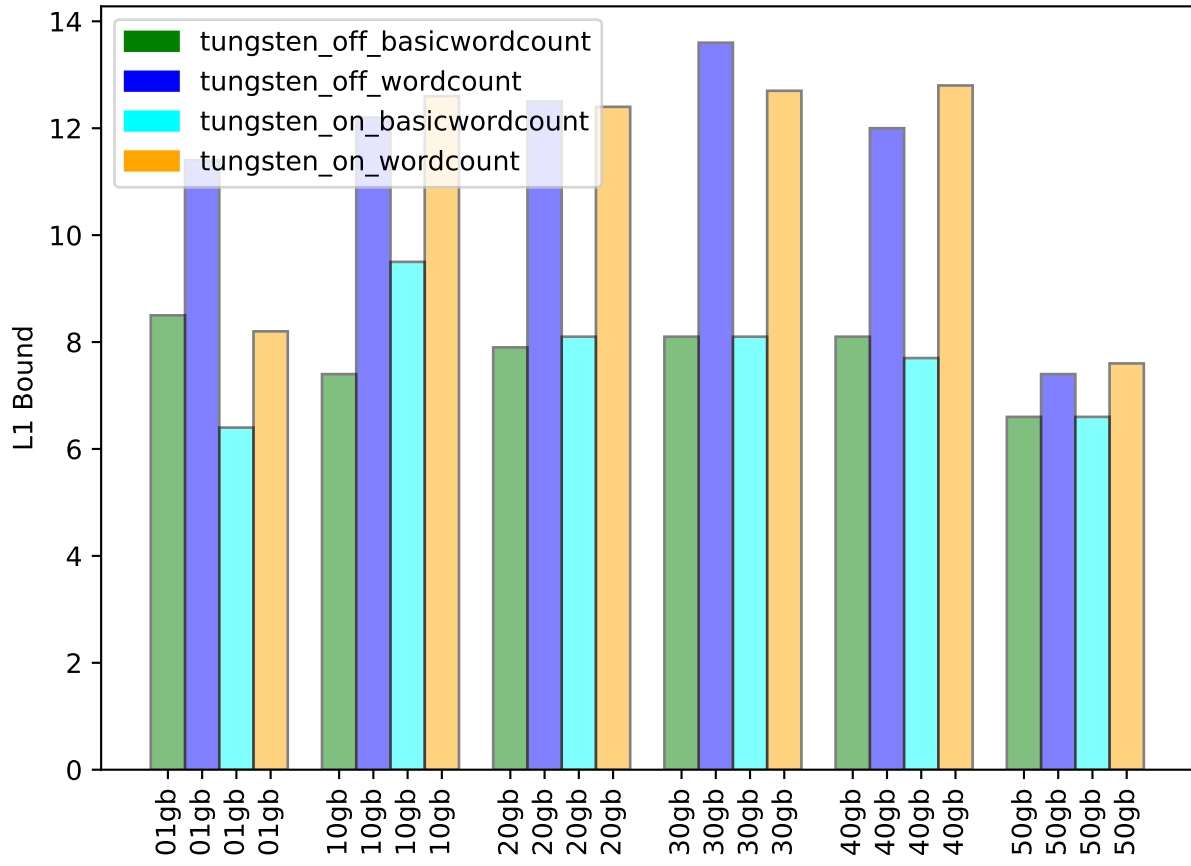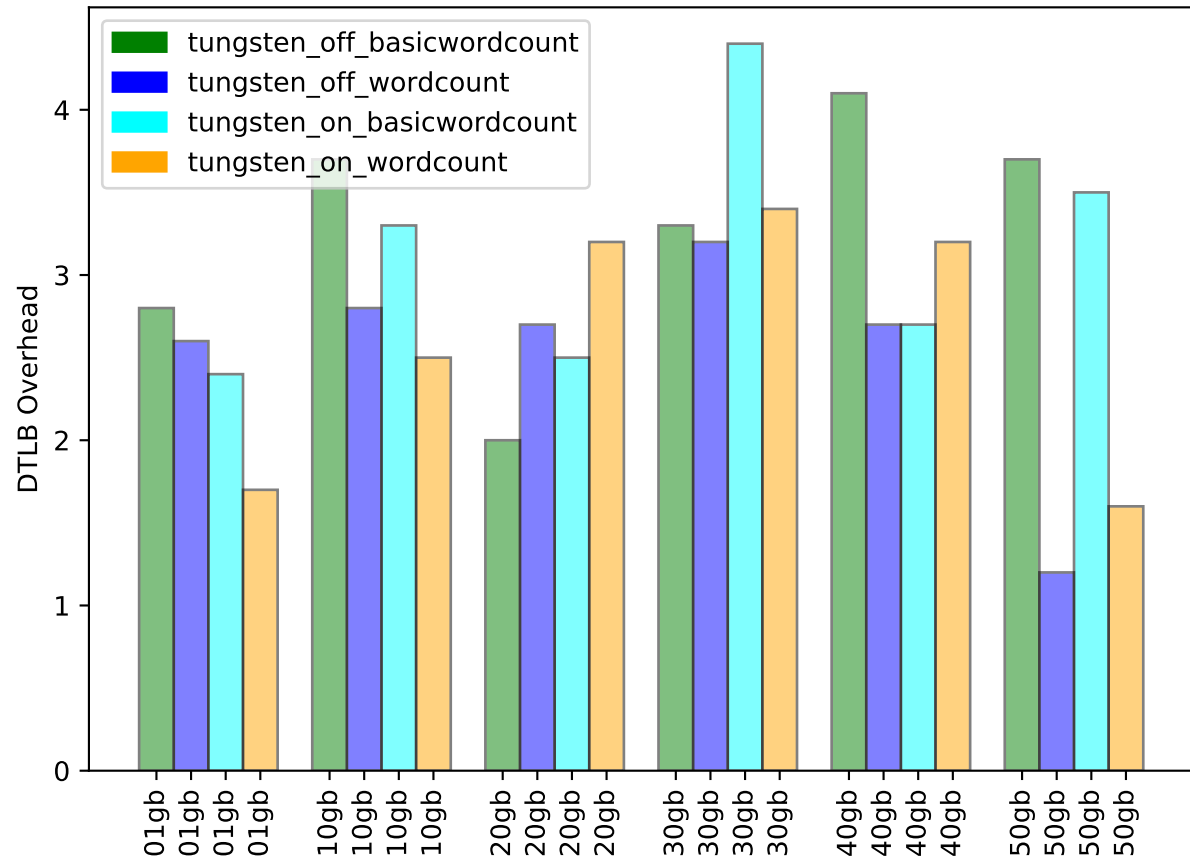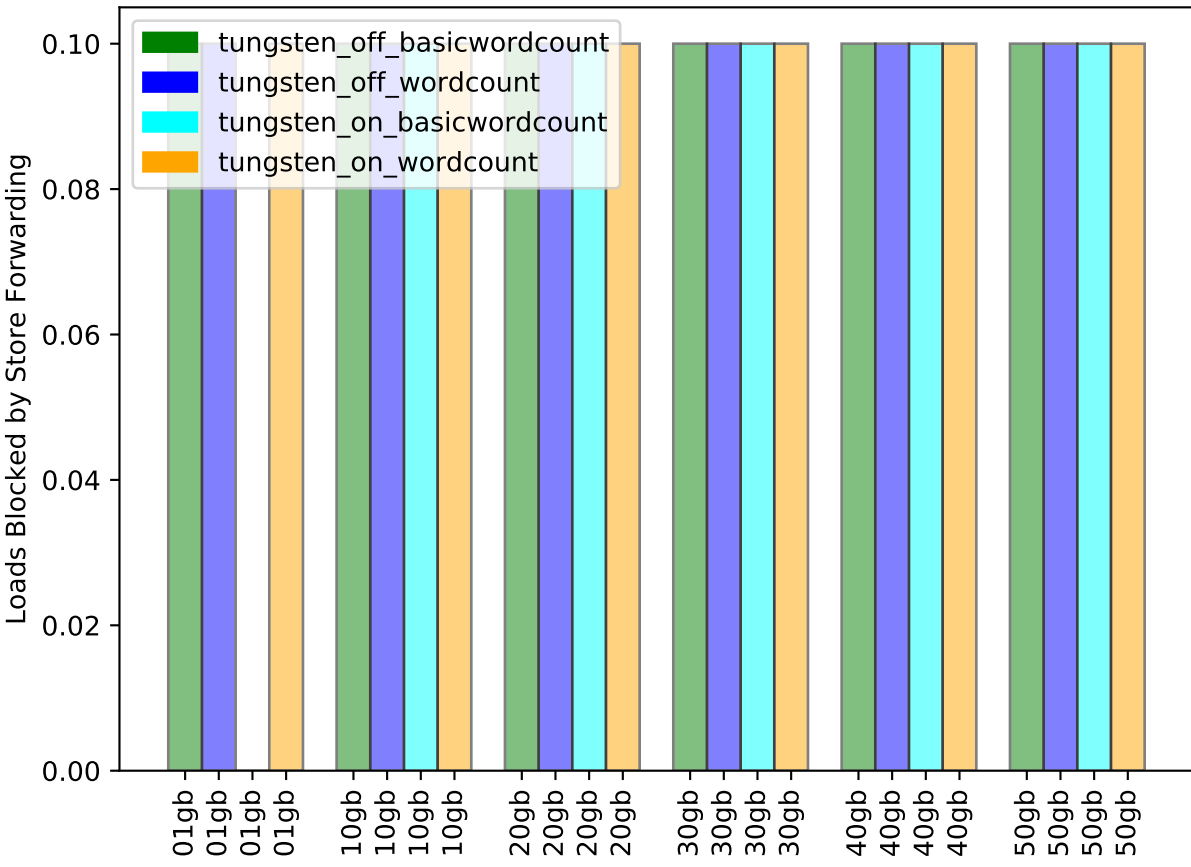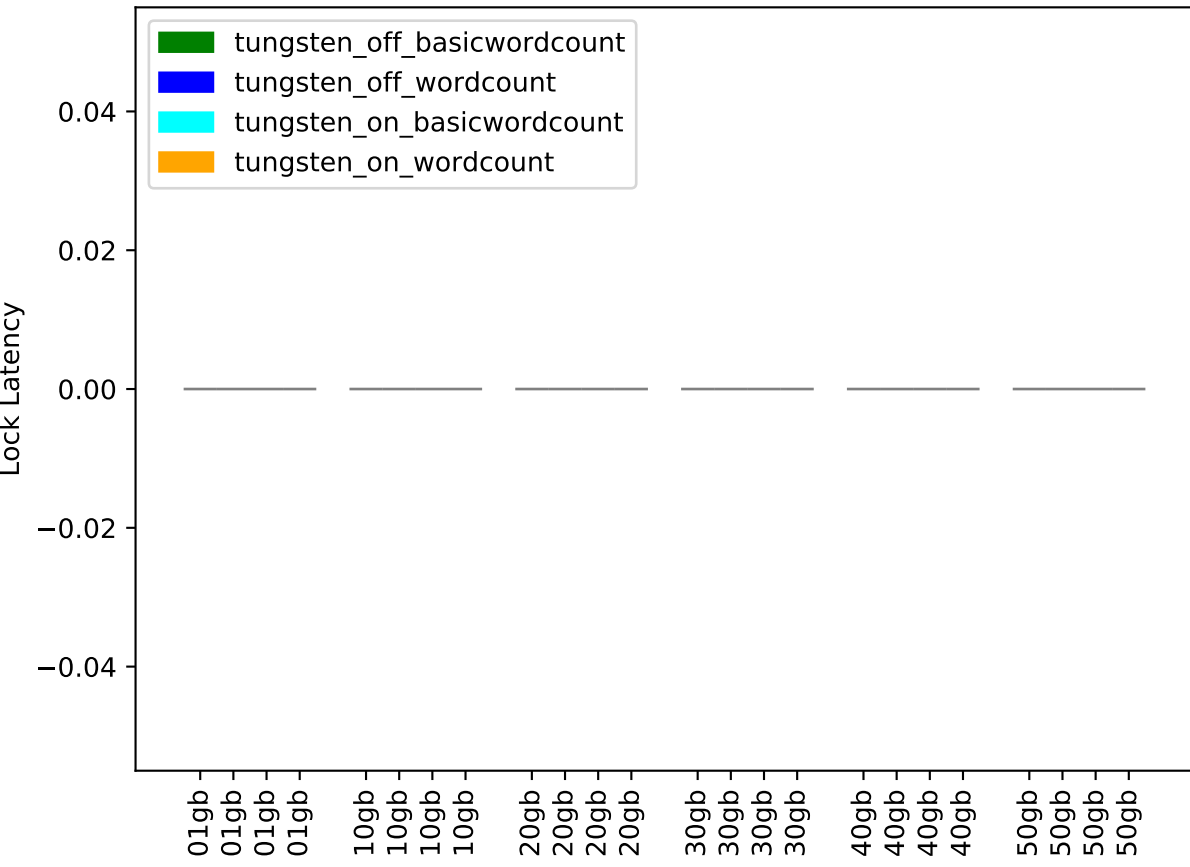X-axis categories: 01gb, 10gb, 20gb, 30gb, 40gb, 50gb

tungsten_on_wordcount

tungsten_on_wordcount

tungsten_on_wordcount

tungsten_on_wordcount

tungsten_on_wordcount

tungsten_on_wordcount

Legend:
- tungsten_off_basicwordcount
- tungsten_off_wordcount
- tungsten_on_basicwordcount
- tungsten_on_wordcount

Y-axis: L2 Bound

X-axis categories: 01gb, 10gb, 20gb, 30gb, 40gb, 50gb

tungsten_on_wordcount

Legend:
- tungsten_off_basicwordcount
- tungsten_off_wordcount
- tungsten_on_basicwordcount
- tungsten_on_wordcount

Y-axis: L3 Bound

X-axis categories: 01gb, 10gb, 20gb, 30gb, 40gb, 50gb

tungsten_on_wordcount

Legend:
- tungsten_off_basicwordcount
- tungsten_off_wordcount
- tungsten_on_basicwordcount
- tungsten_on_wordcount

Y-axis: Contested Accesses
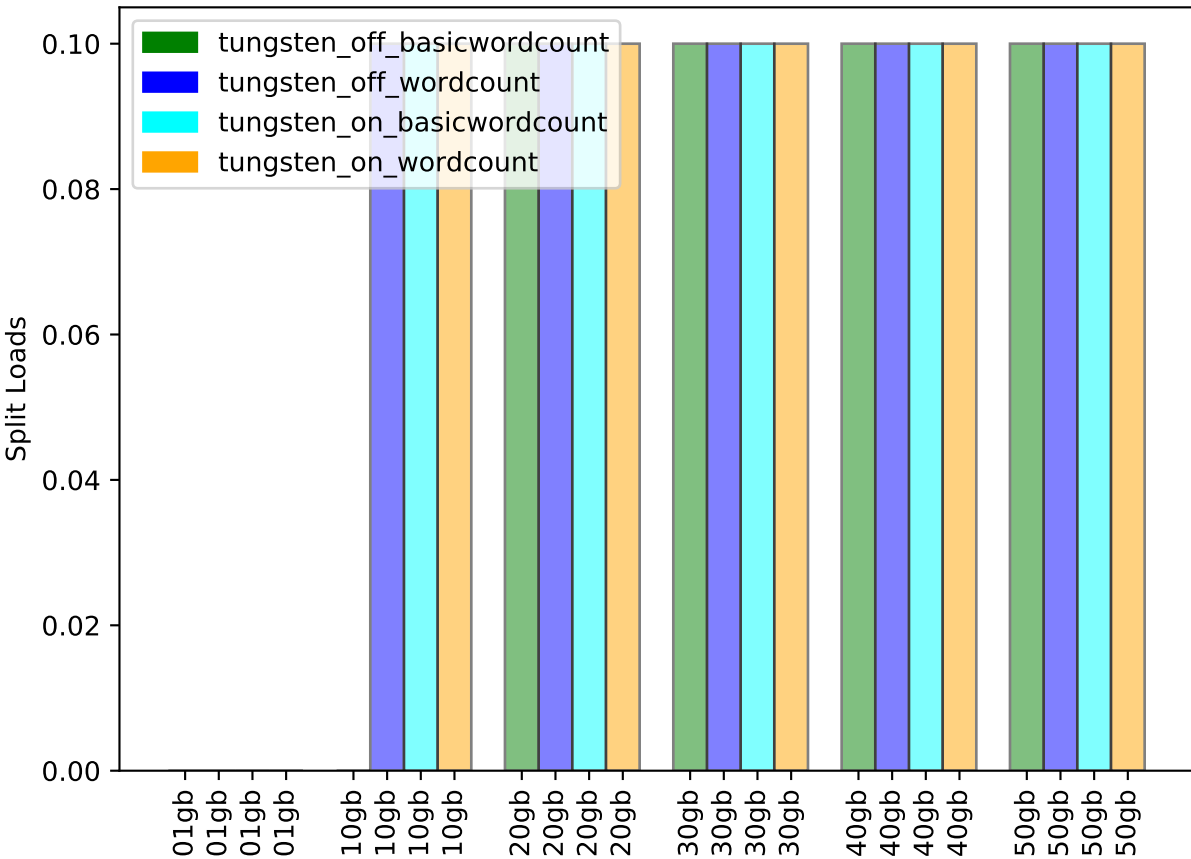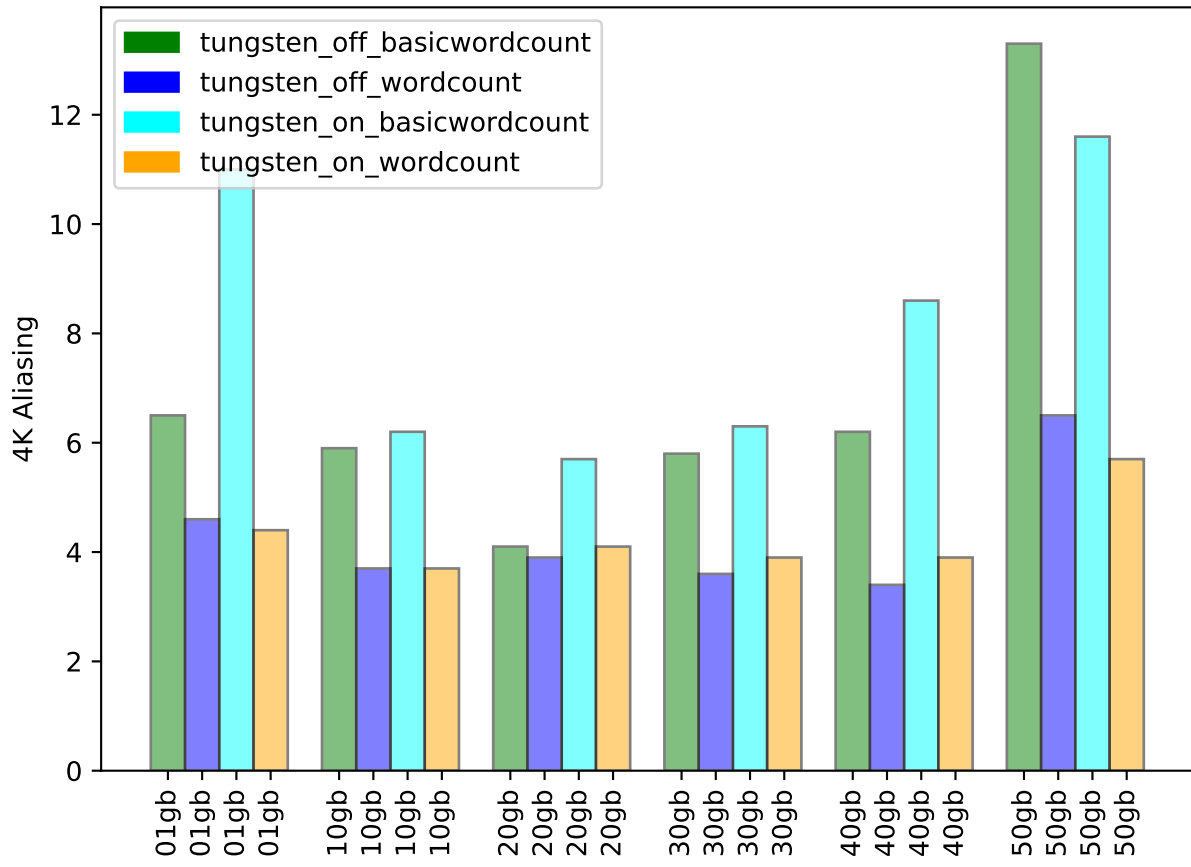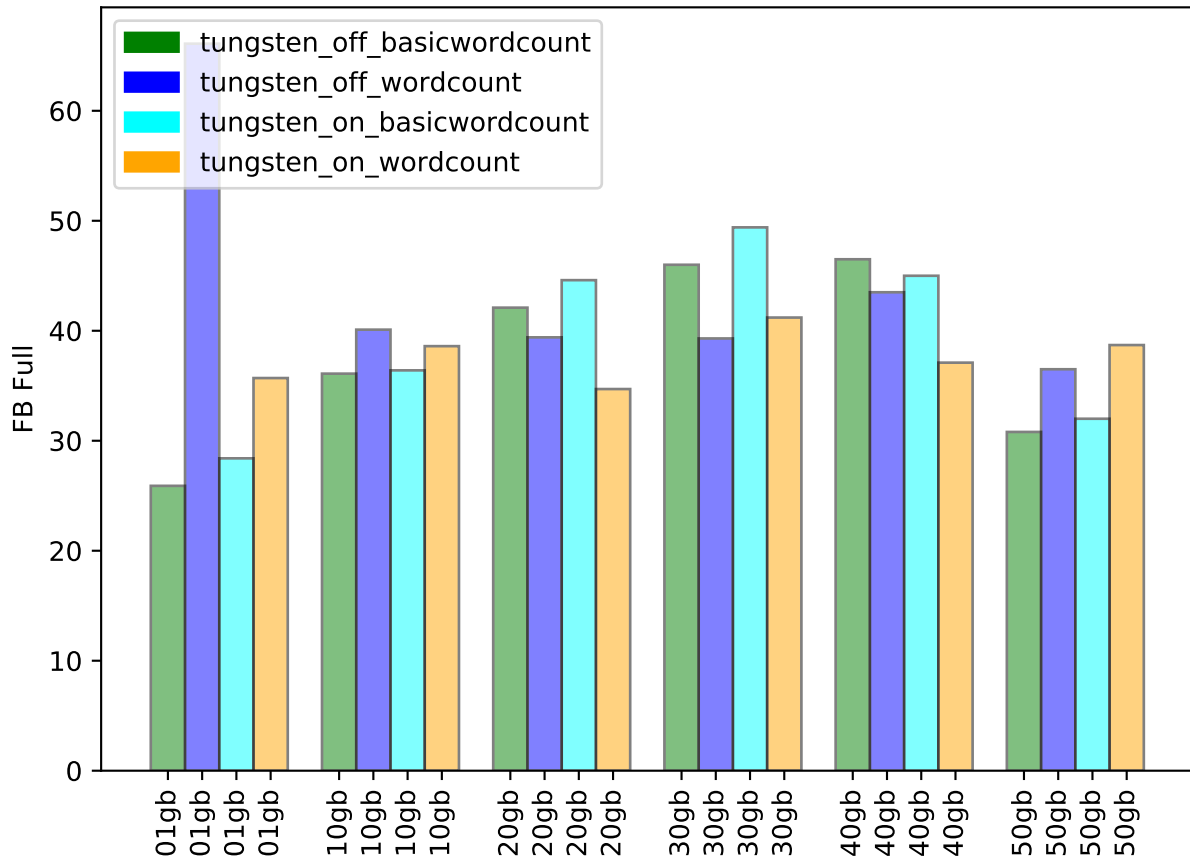
X-axis categories: 01gb, 10gb, 20gb, 30gb, 40gb, 50gb

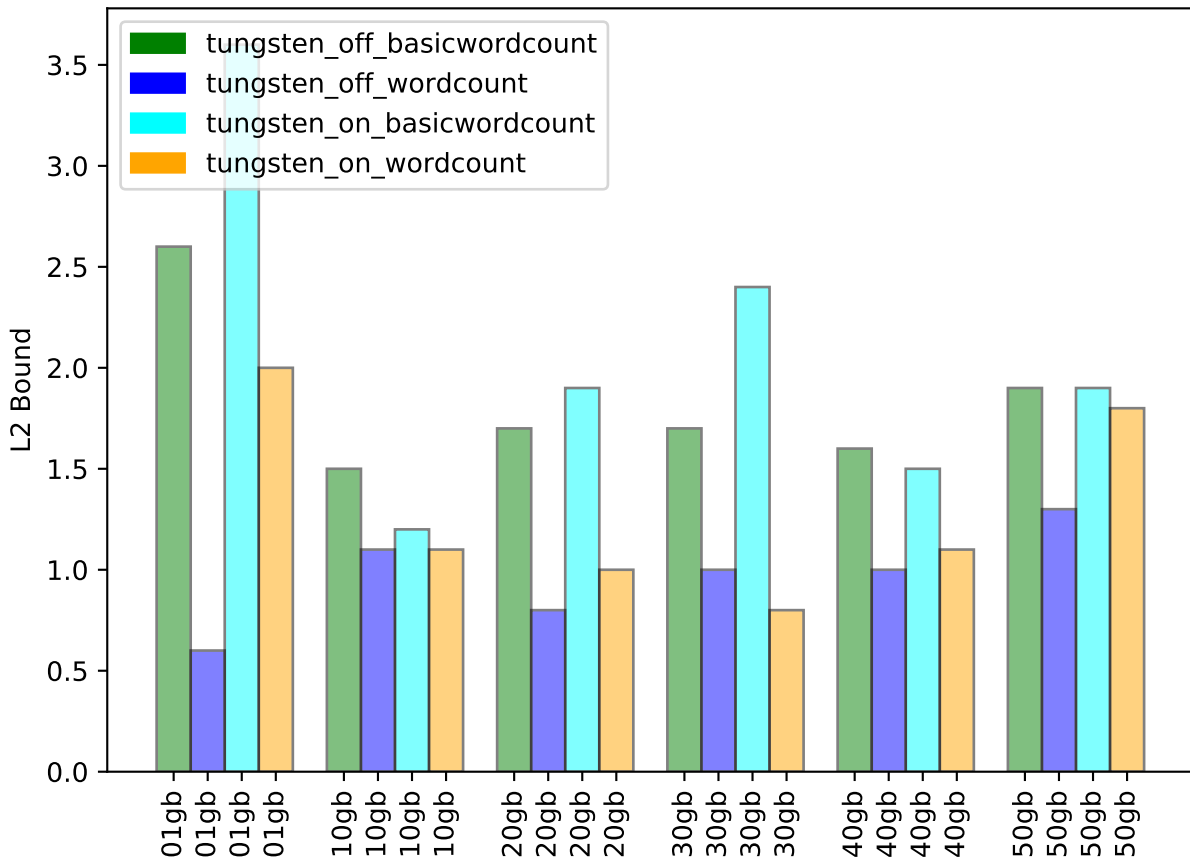tungsten_on_wordcount

tungsten_on_wordcount

tungsten_on_wordcount

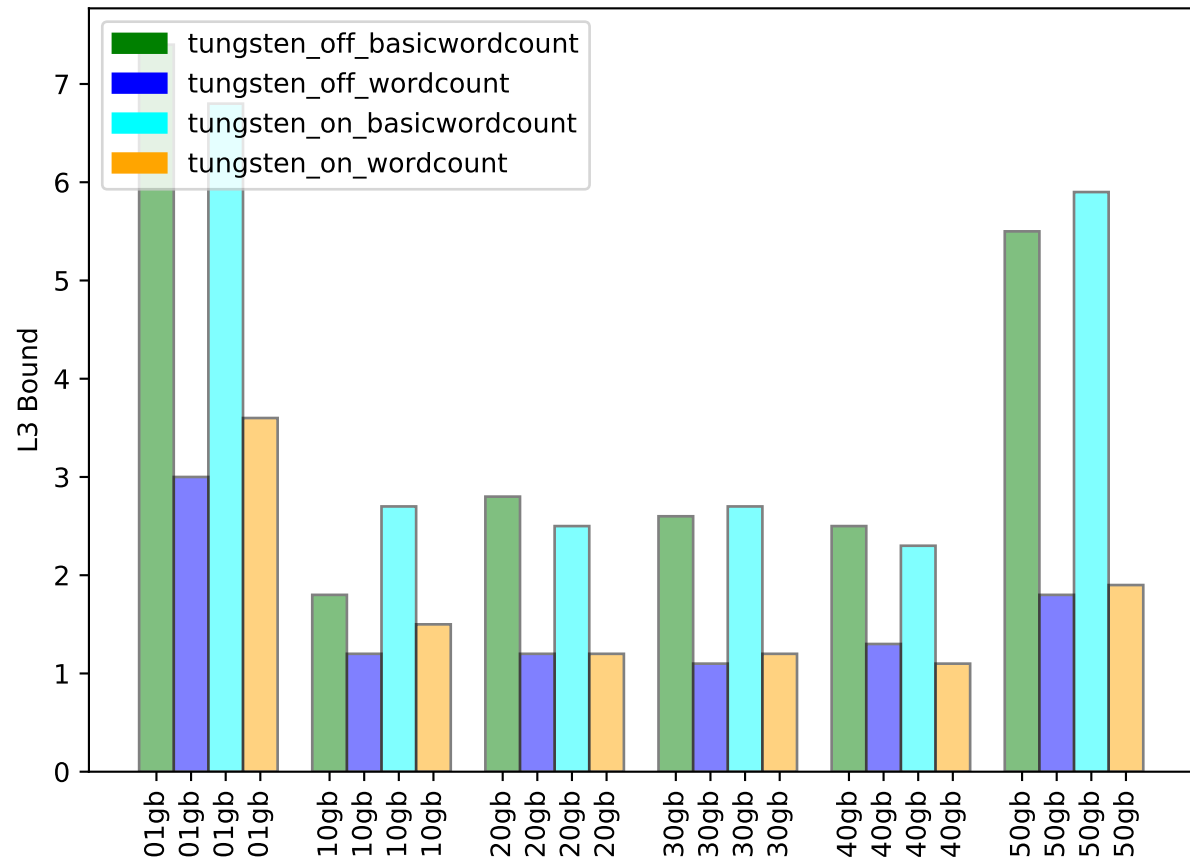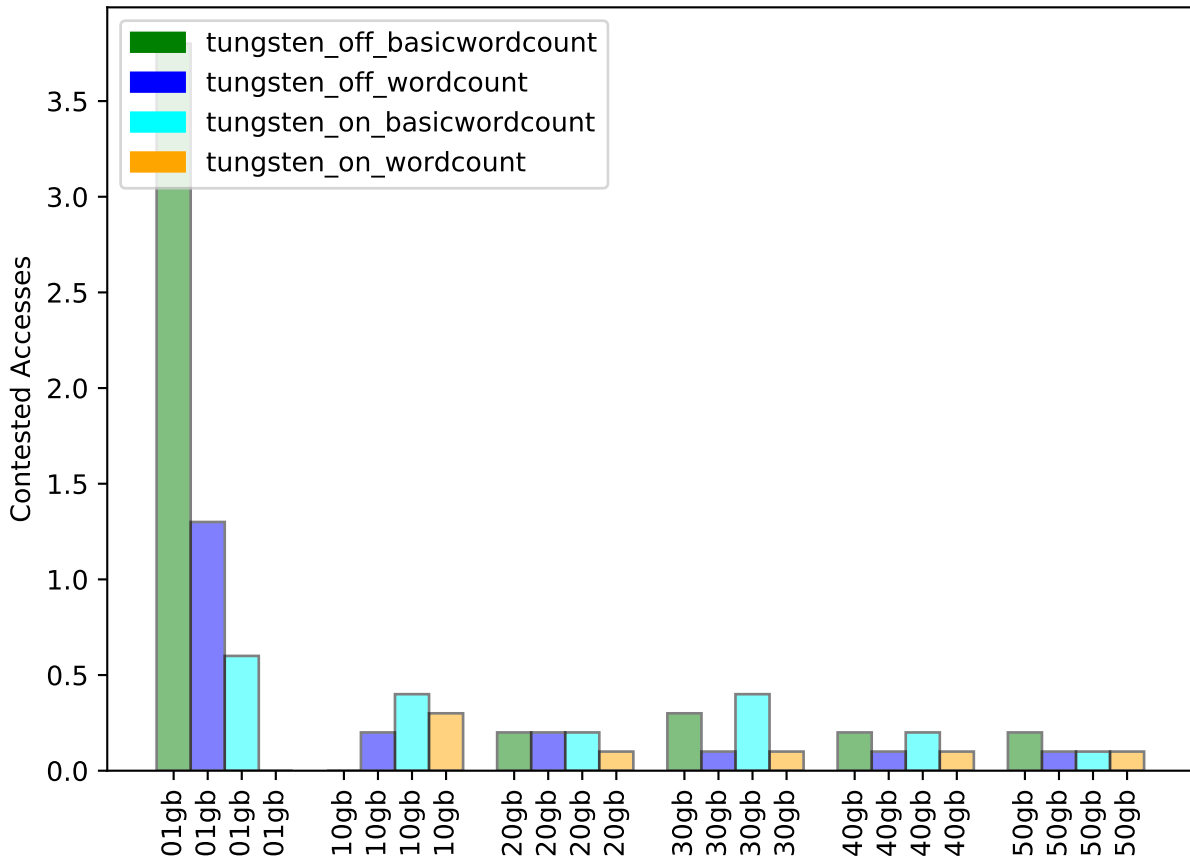Legend:
- tungsten_off_basicwordcount
- tungsten_off_wordcount
- tungsten_on_basicwordcount
- tungsten_on_wordcount

tungsten_on_wordcount

Legend:
- tungsten_off_basicwordcount
- tungsten_off_wordcount
- tungsten_on_basicwordcount
- tungsten_on_wordcount

Y-axis: DRAM Bound

X-axis categories: 01gb, 10gb, 20gb, 30gb, 40gb, 50gb

tungsten_on_wordcount

tungsten_on_wordcount

Legend:
- tungsten_off_basicwordcount
- tungsten_off_wordcount
- tungsten_on_basicwordcount
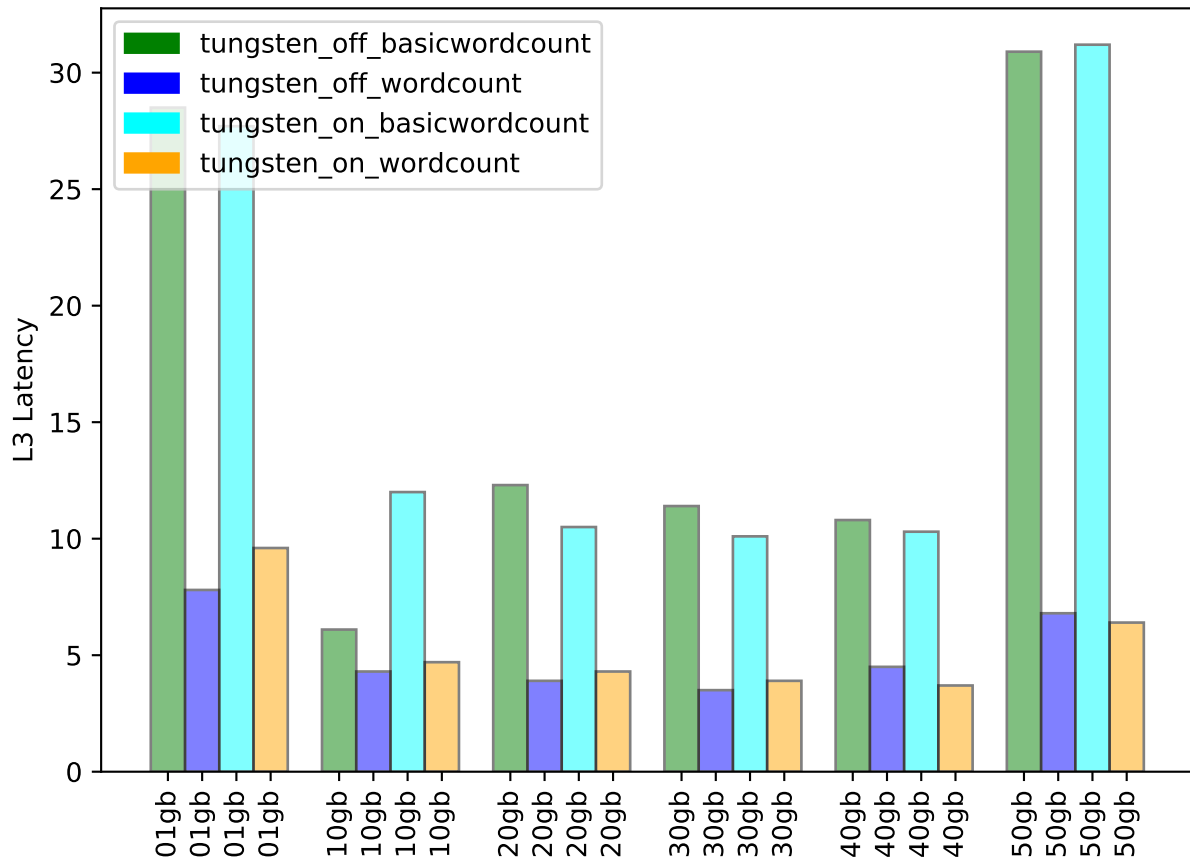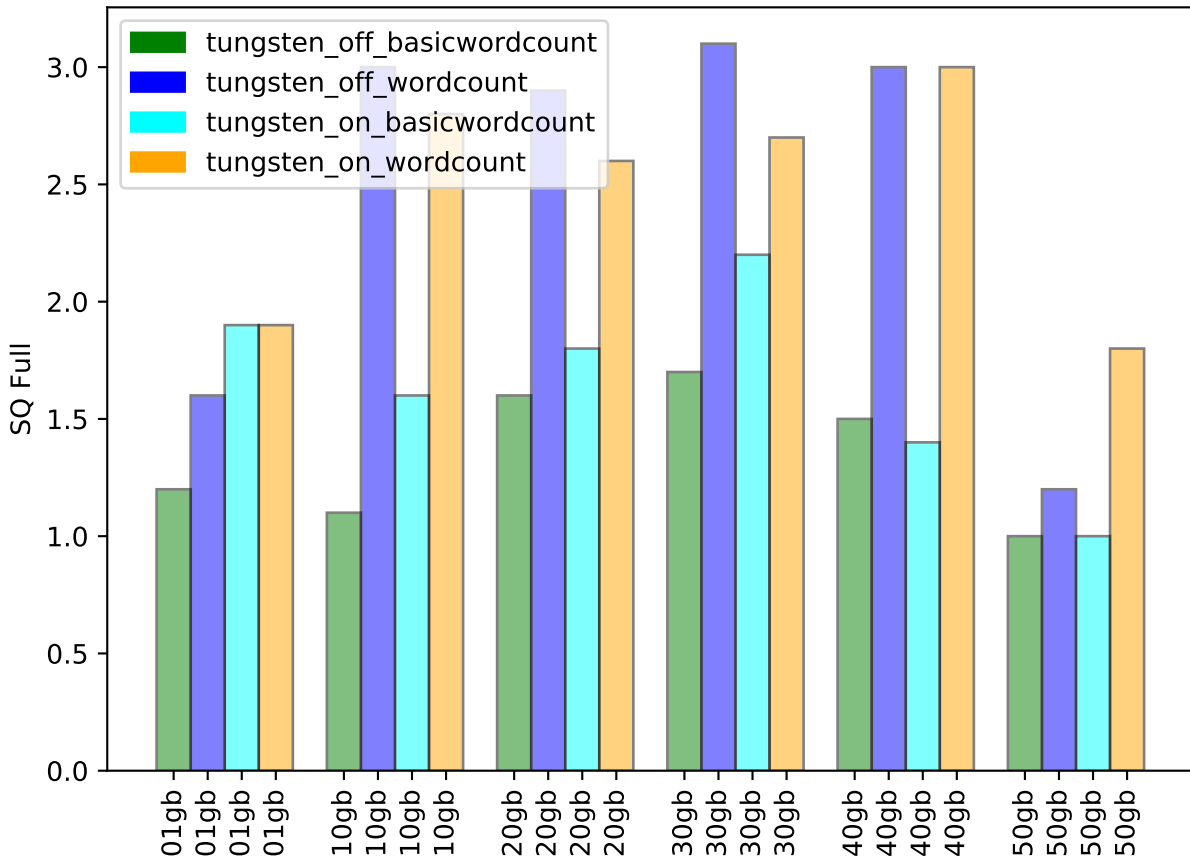- tungsten_on_wordcount

Y-axis: Memory Latency

X-axis categories: 01gb, 10gb, 20gb, 30gb, 40gb, 50gb

tungsten_on_wordcount

tungsten_on_wordcount

Legend:
- tungsten_off_basicwordcount
- tungsten_off_wordcount
- tungsten_on_basicwordcount
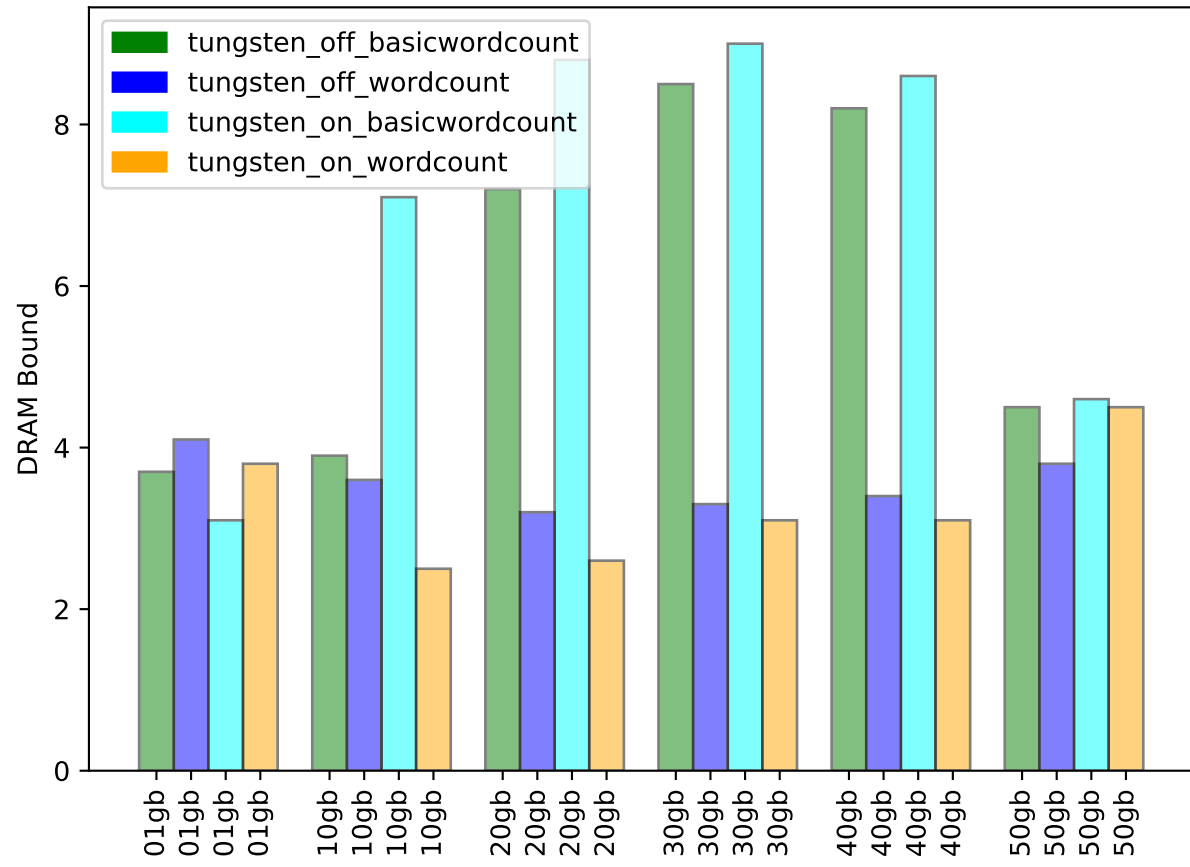- tungsten_on_wordcount

Y-axis: Remote DRAM

X-axis labels: 01gb, 01gb, 01gb, 01gb, 10gb, 10gb, 10gb, 10gb, 20gb, 20gb, 20gb, 20gb, 30gb, 30gb, 30gb, 30gb, 40gb, 40gb, 40gb, 40gb, 50gb, 50gb, 50gb, 50gb

tungsten_on_wordcount

Legend:
- tungsten_off_basicwordcount
- tungsten_off_wordcount
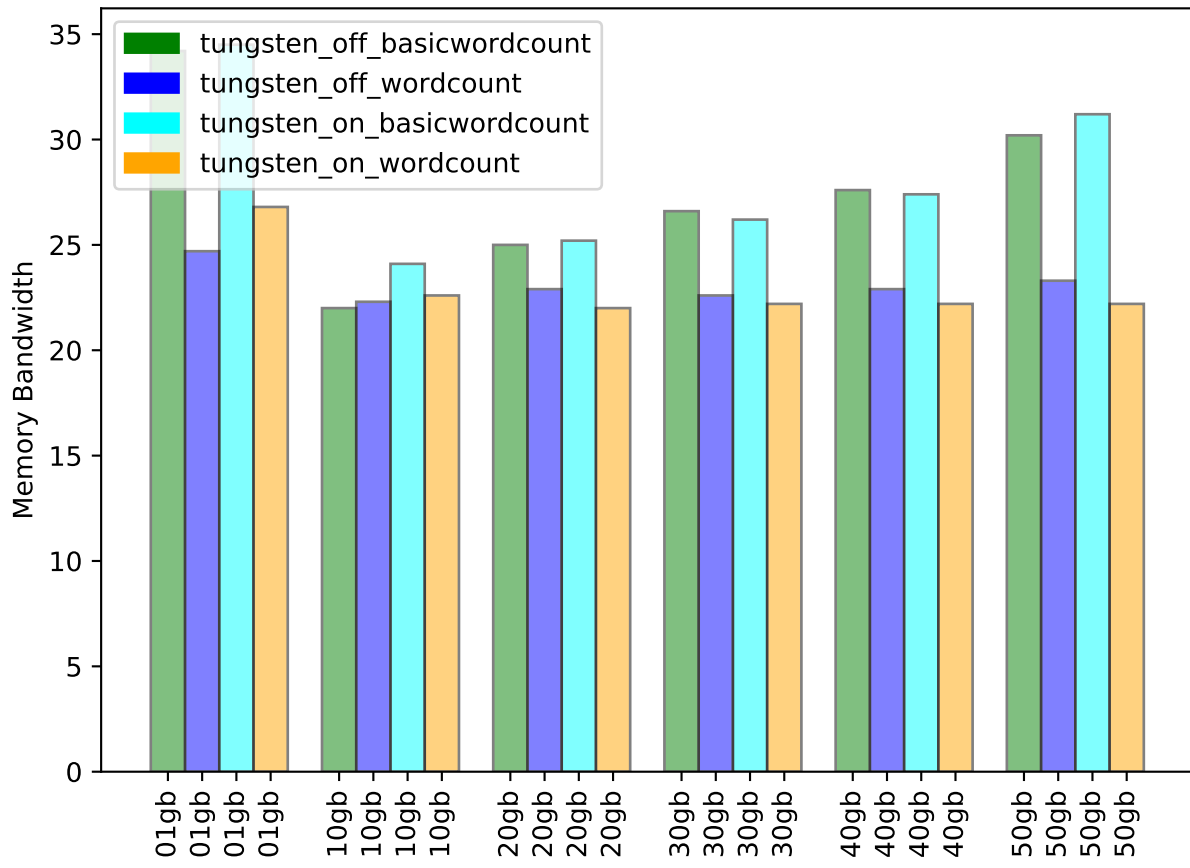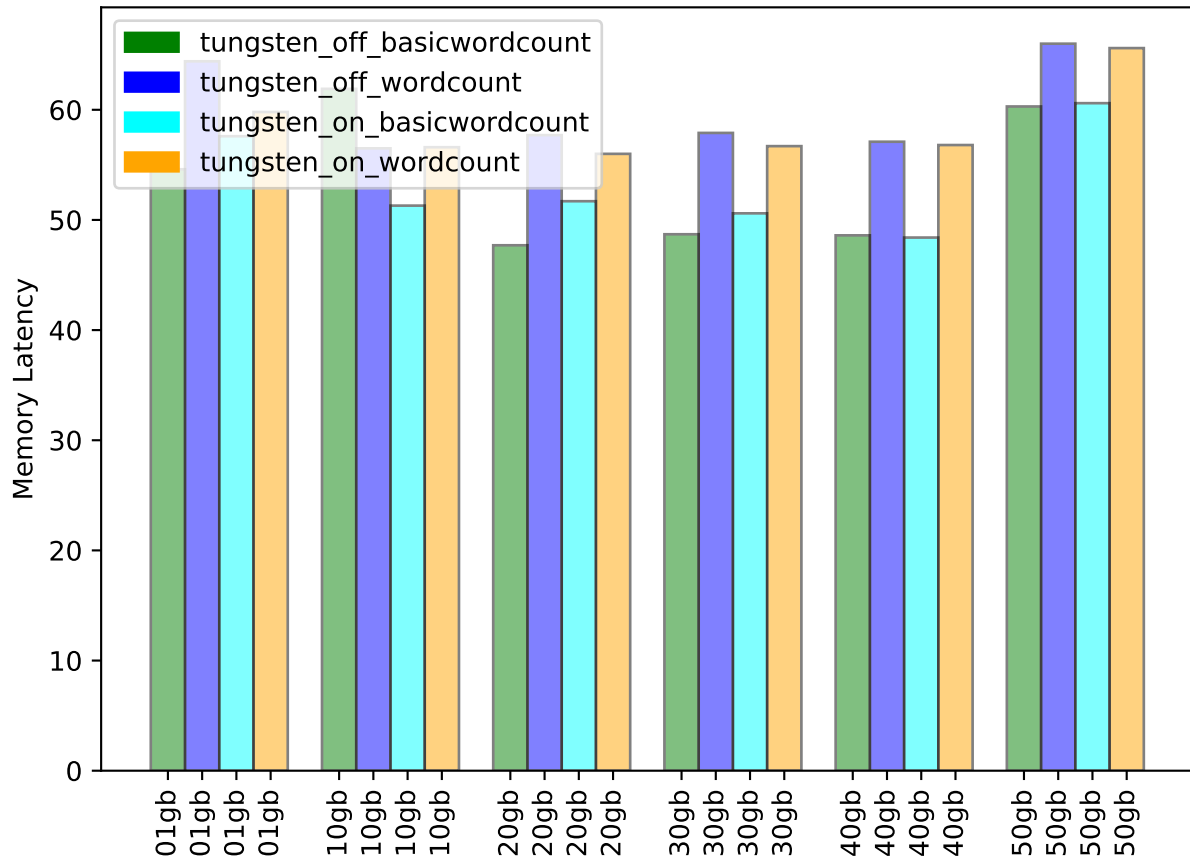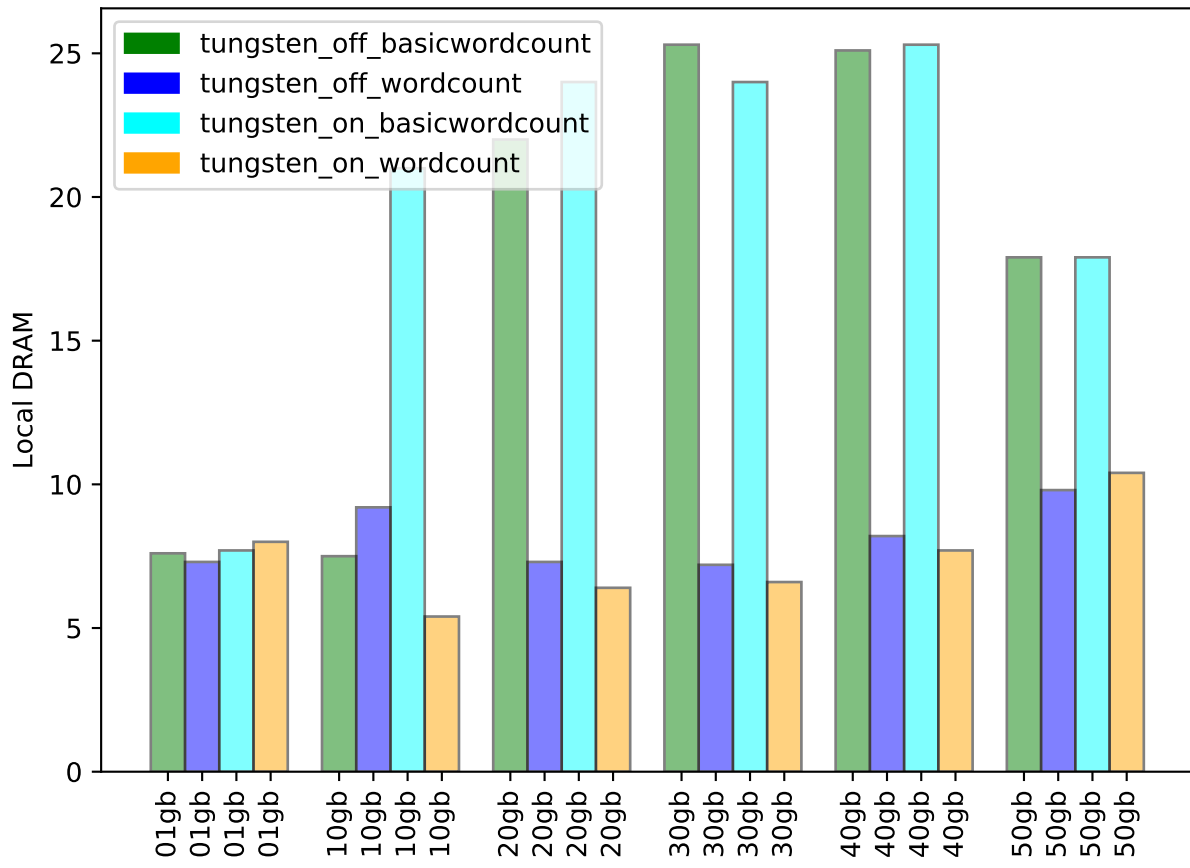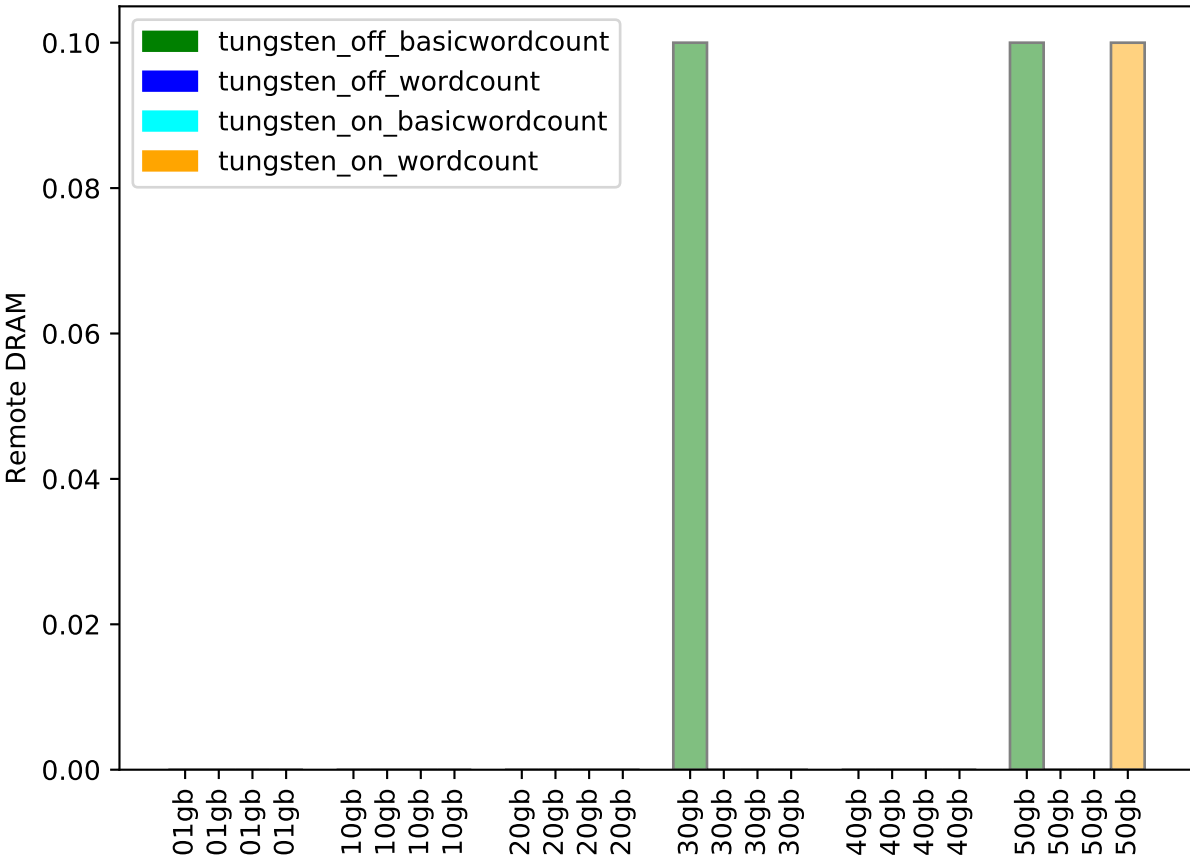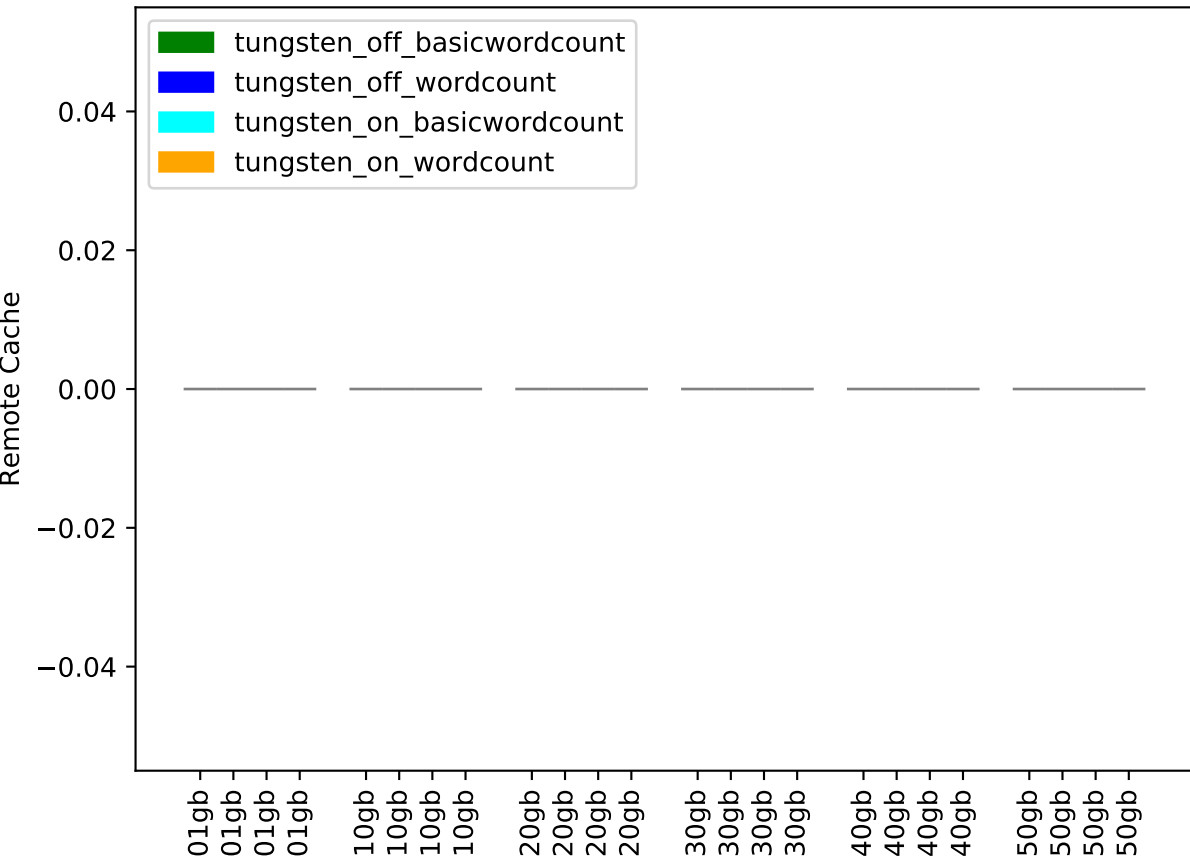- tungsten_on_basicwordcount
- tungsten_on_wordcount

tungsten_on_wordcount

Legend:
- tungsten_off_basicwordcount
- tungsten_off_wordcount
- tungsten_on_basicwordcount
- tungsten_on_wordcount

Y-axis: Store Bound

tungsten_on_wordcount

Legend:
- tungsten_off_basicwordcount
- tungsten_off_wordcount
- tungsten_on_basicwordcount
- tungsten_on_wordcount

Y-axis: Store Latency

X-axis categories: 01gb, 10gb, 20gb, 30gb, 40gb, 50gb
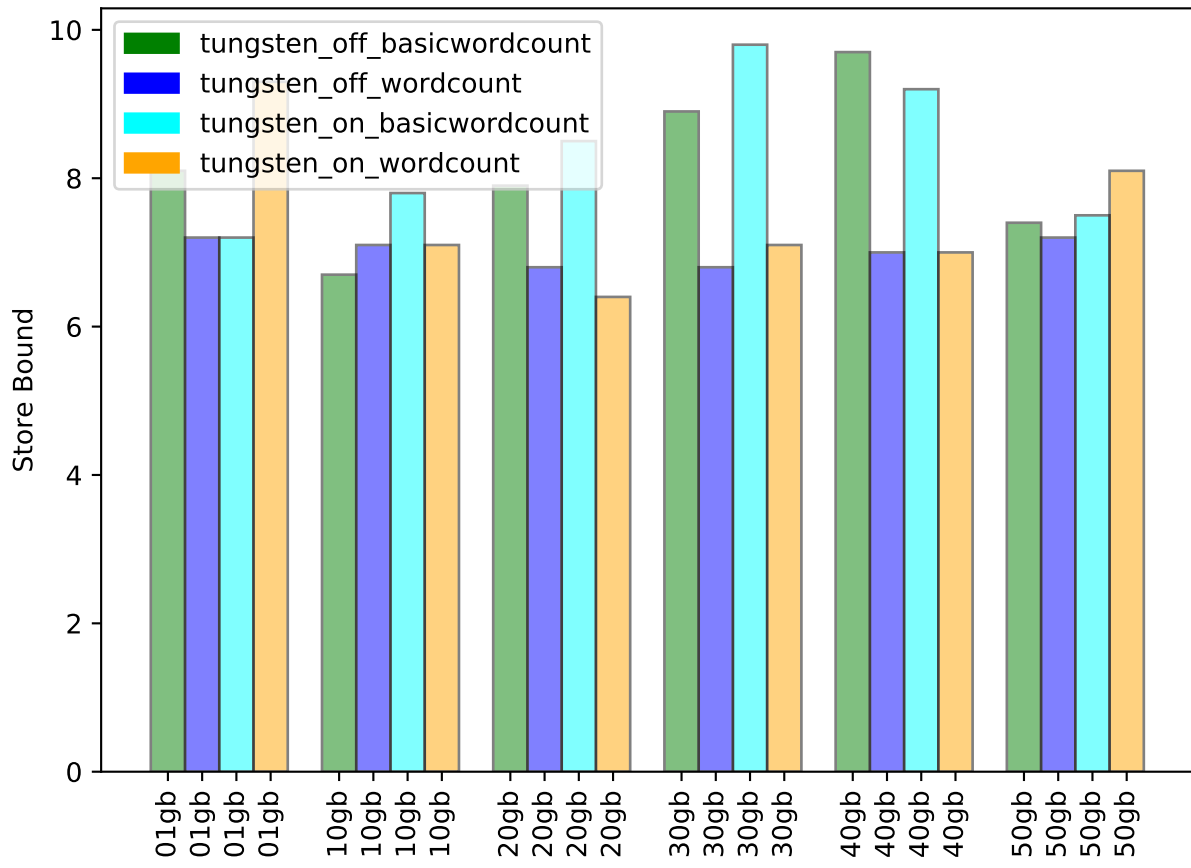
tungsten_on_wordcount

tungsten_on_wordcount

tungsten_on_wordcount

Legend:
- tungsten_off_basicwordcount
- tungsten_off_wordcount
- tungsten_on_basicwordcount
- tungsten_on_wordcount

Y-axis: Store Memory

X-axis categories: 01gb, 10gb, 20gb, 30gb, 40gb, 50gb

tungsten_on_wordcount

- tungsten_off_basicwordcount
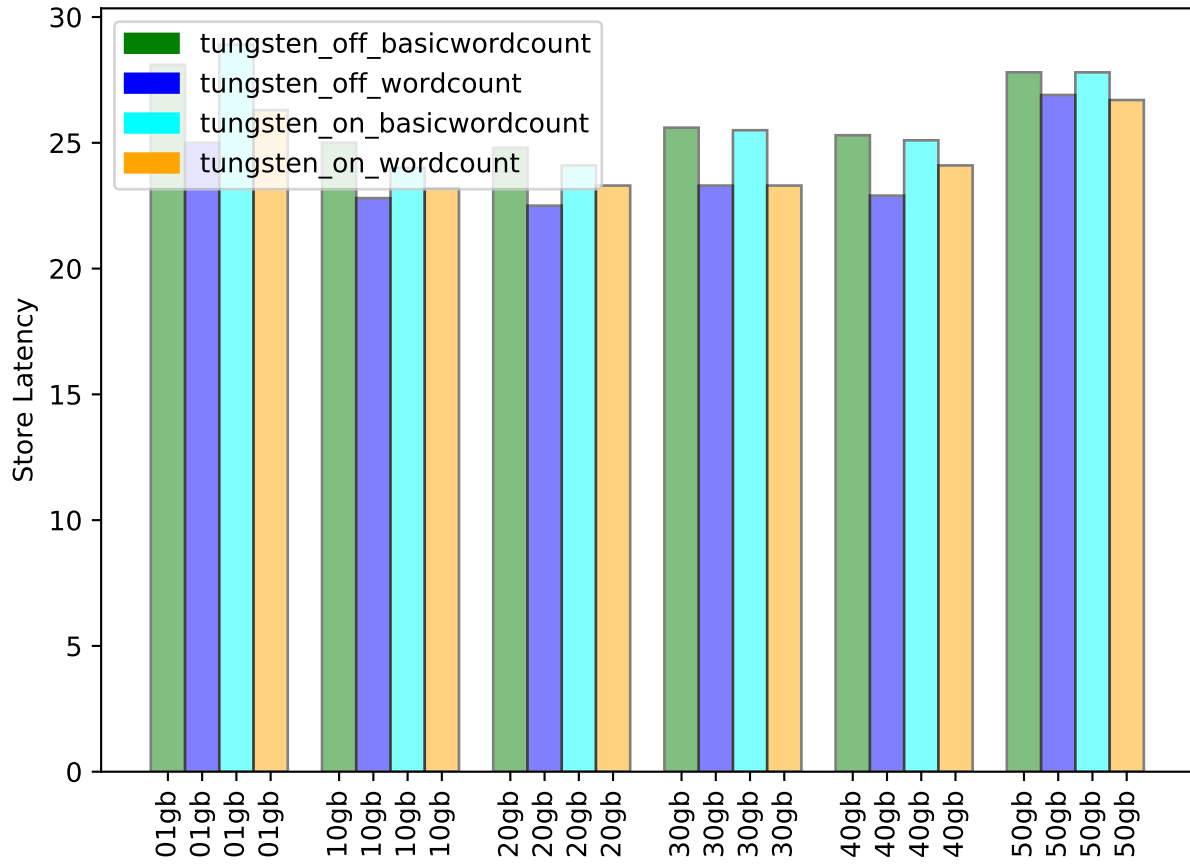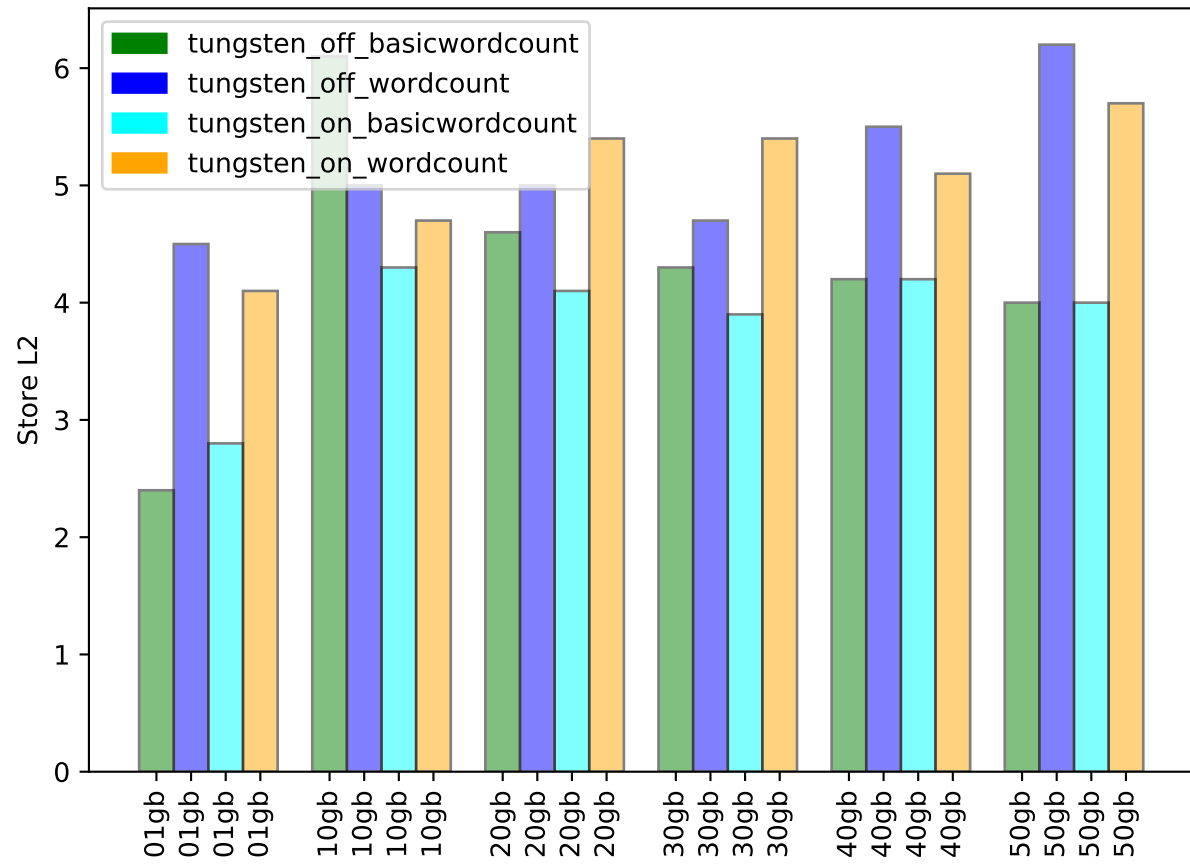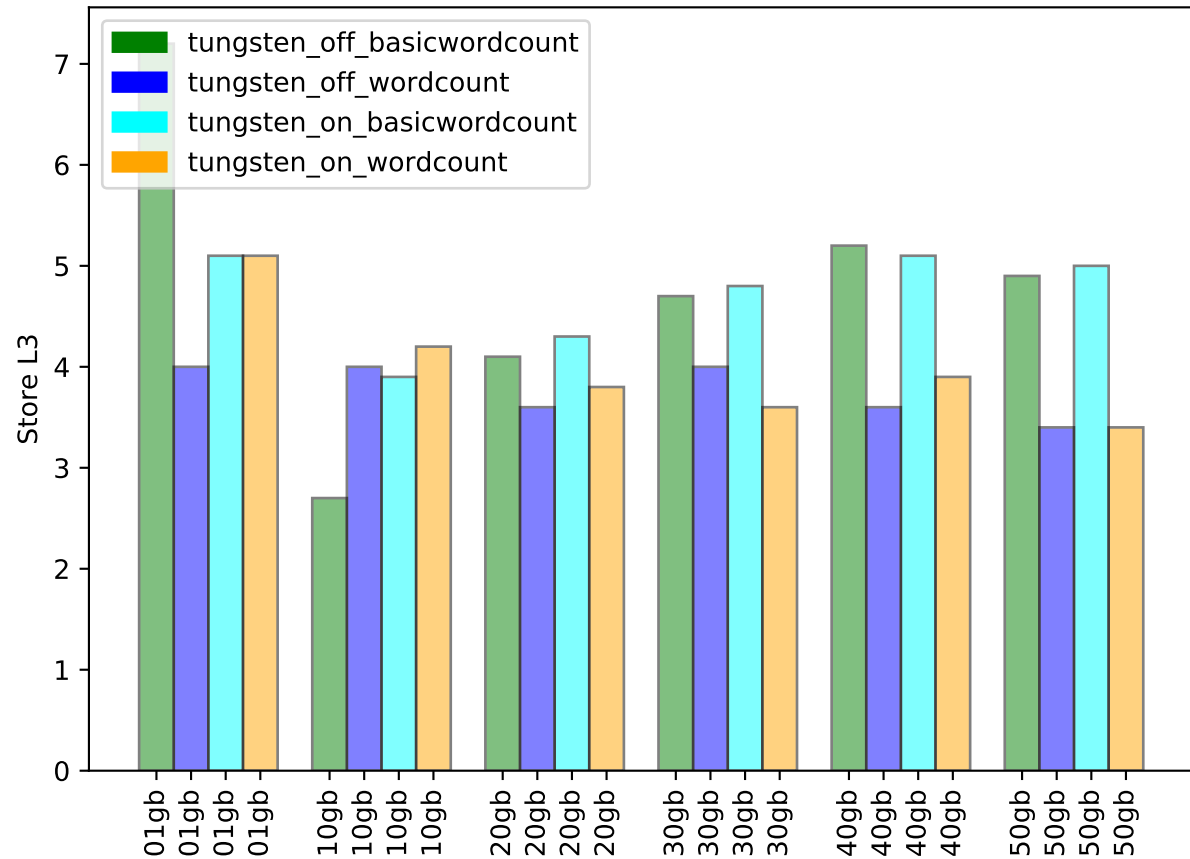- tungsten_off_wordcount
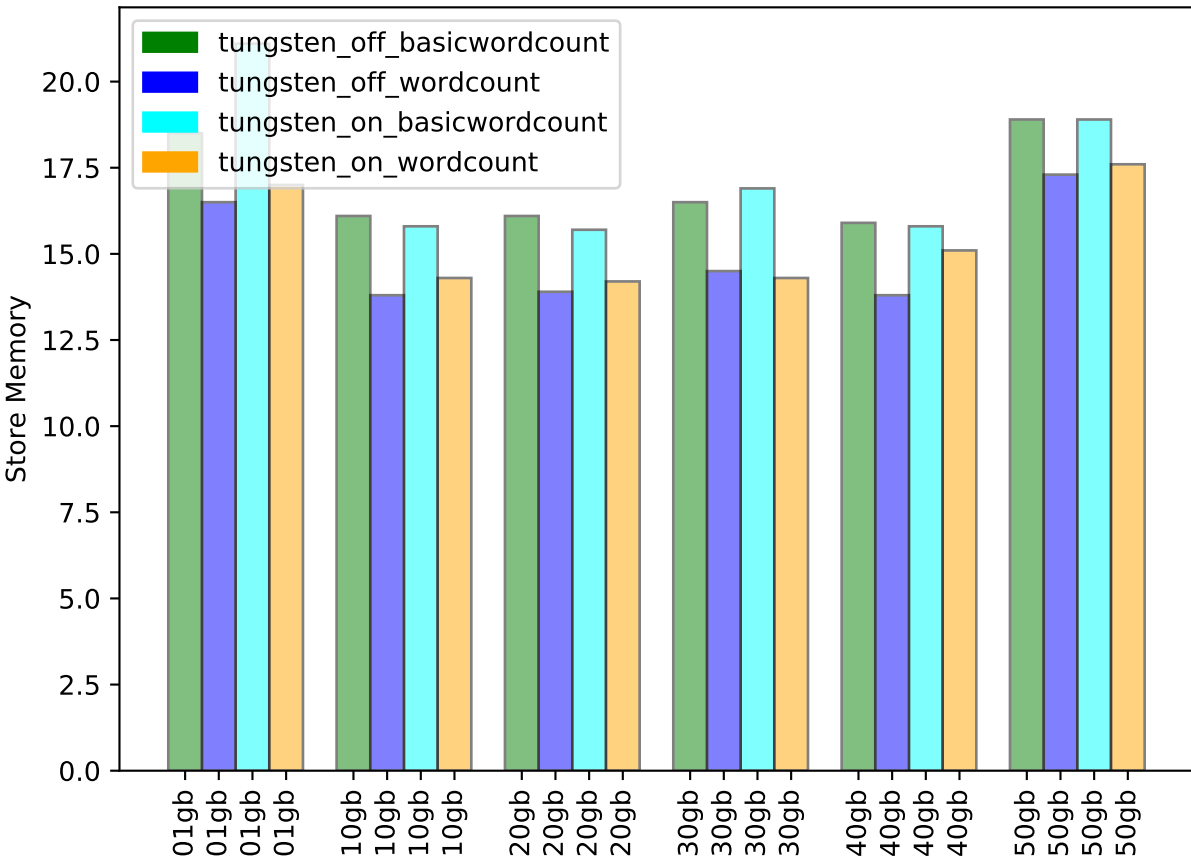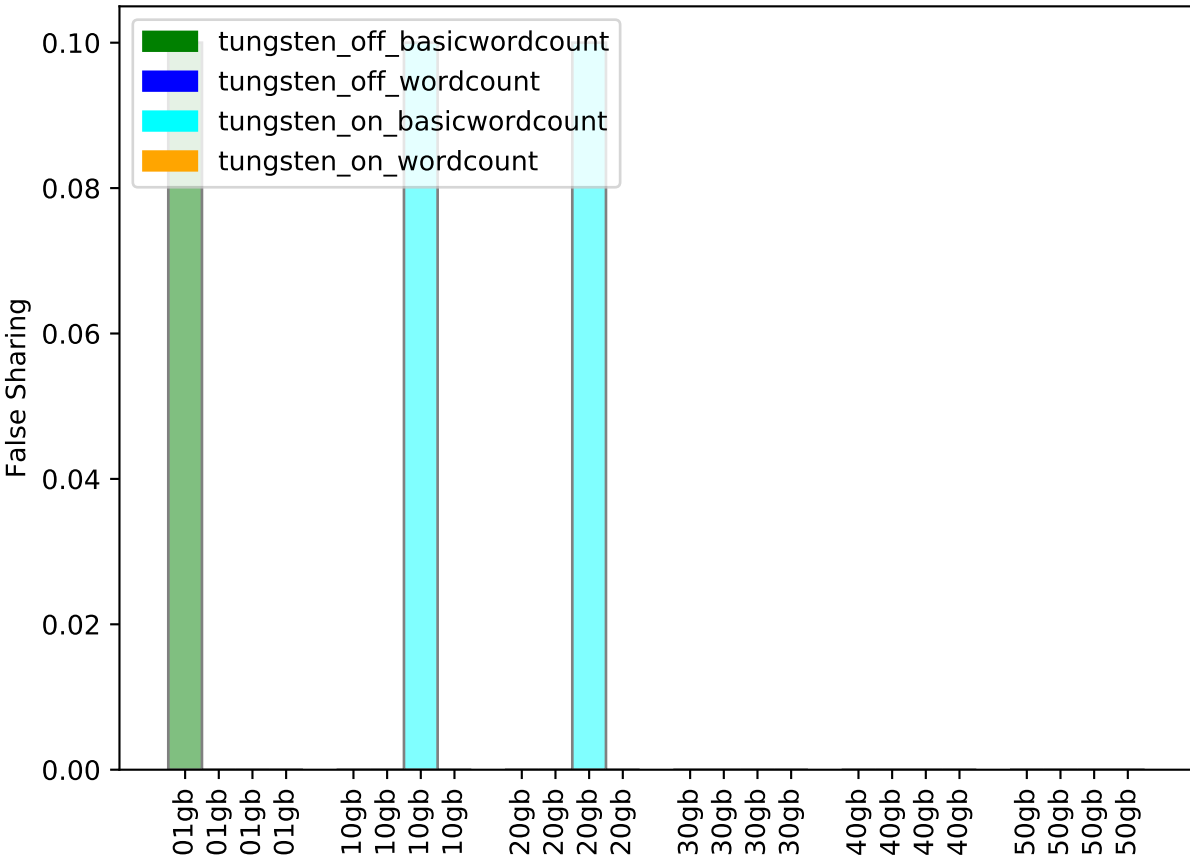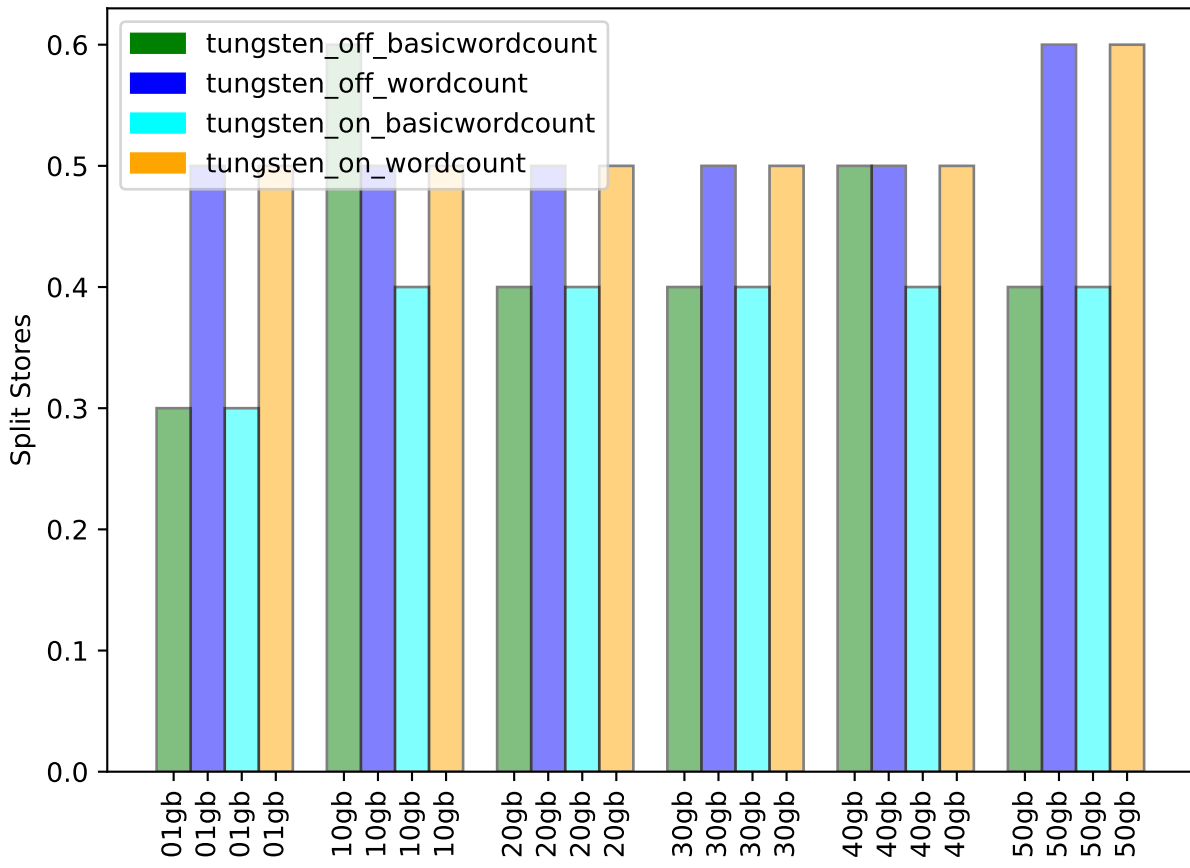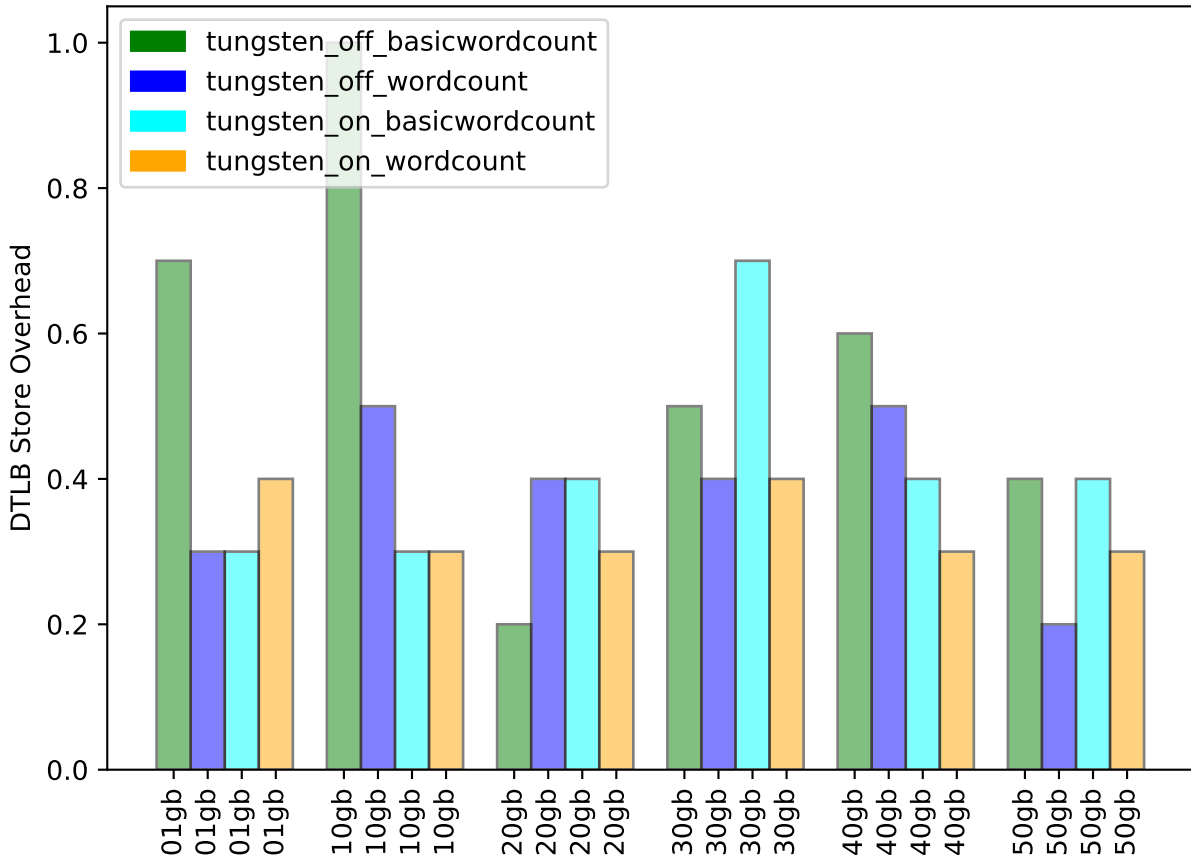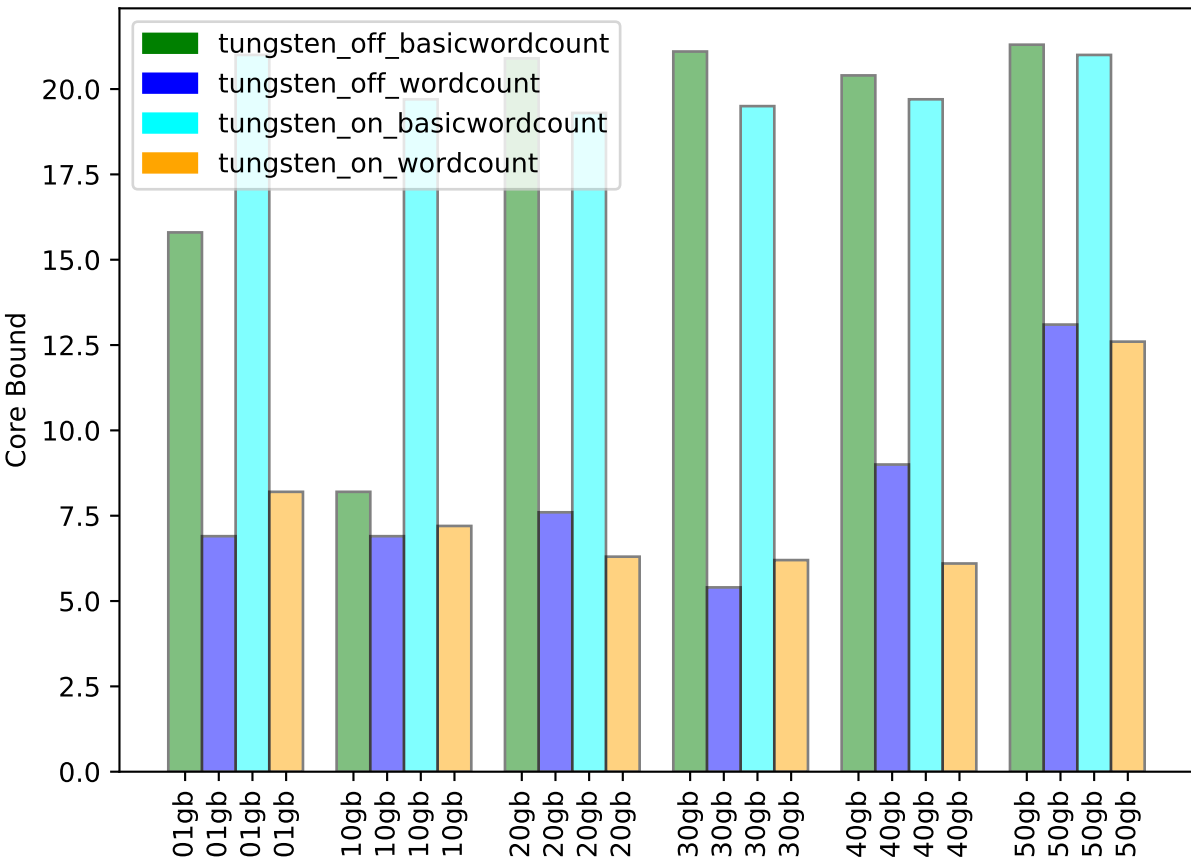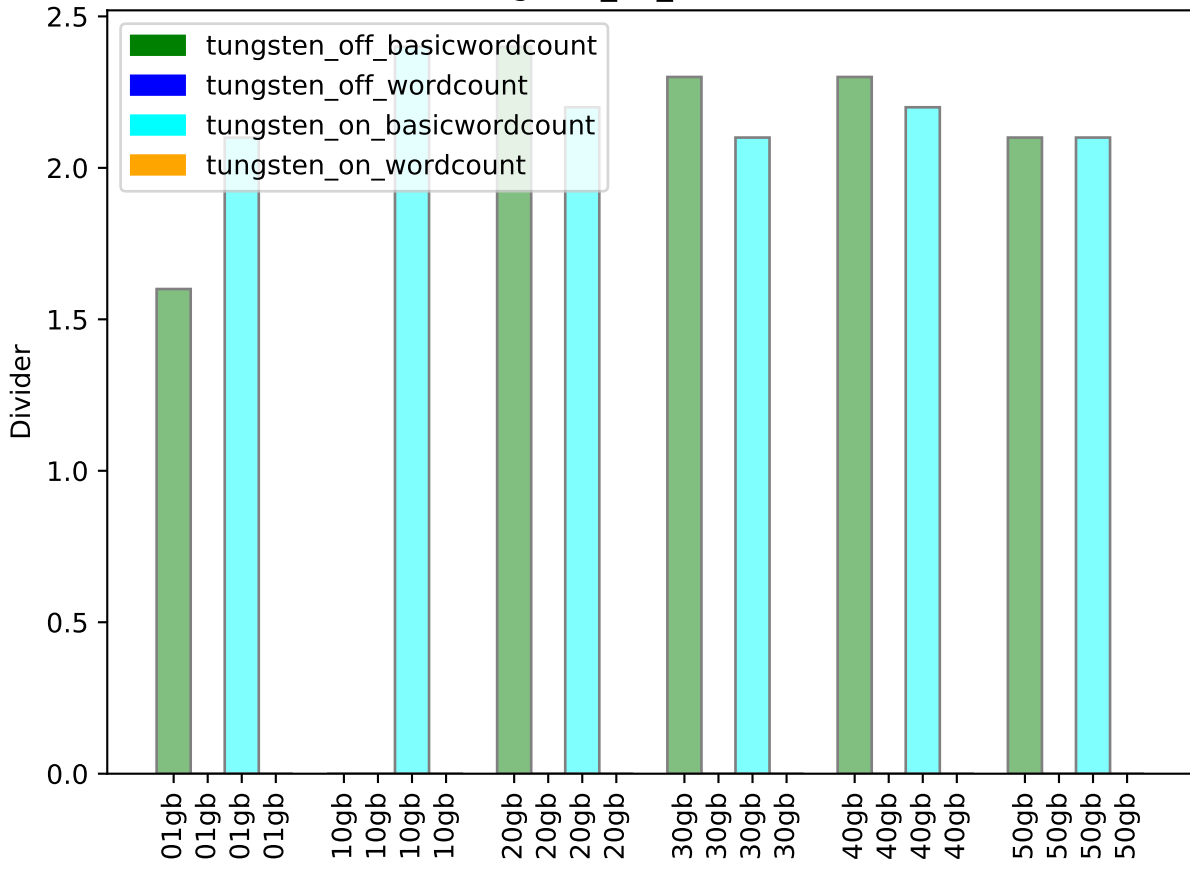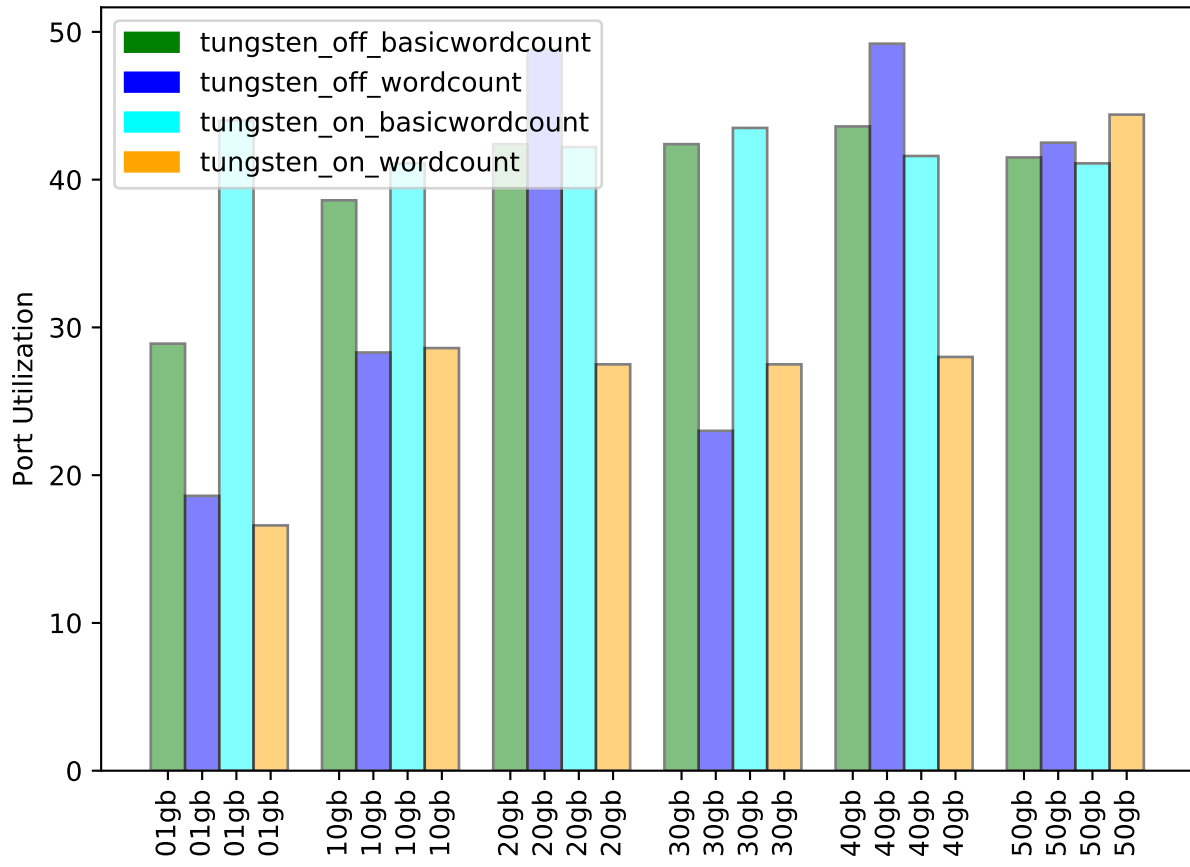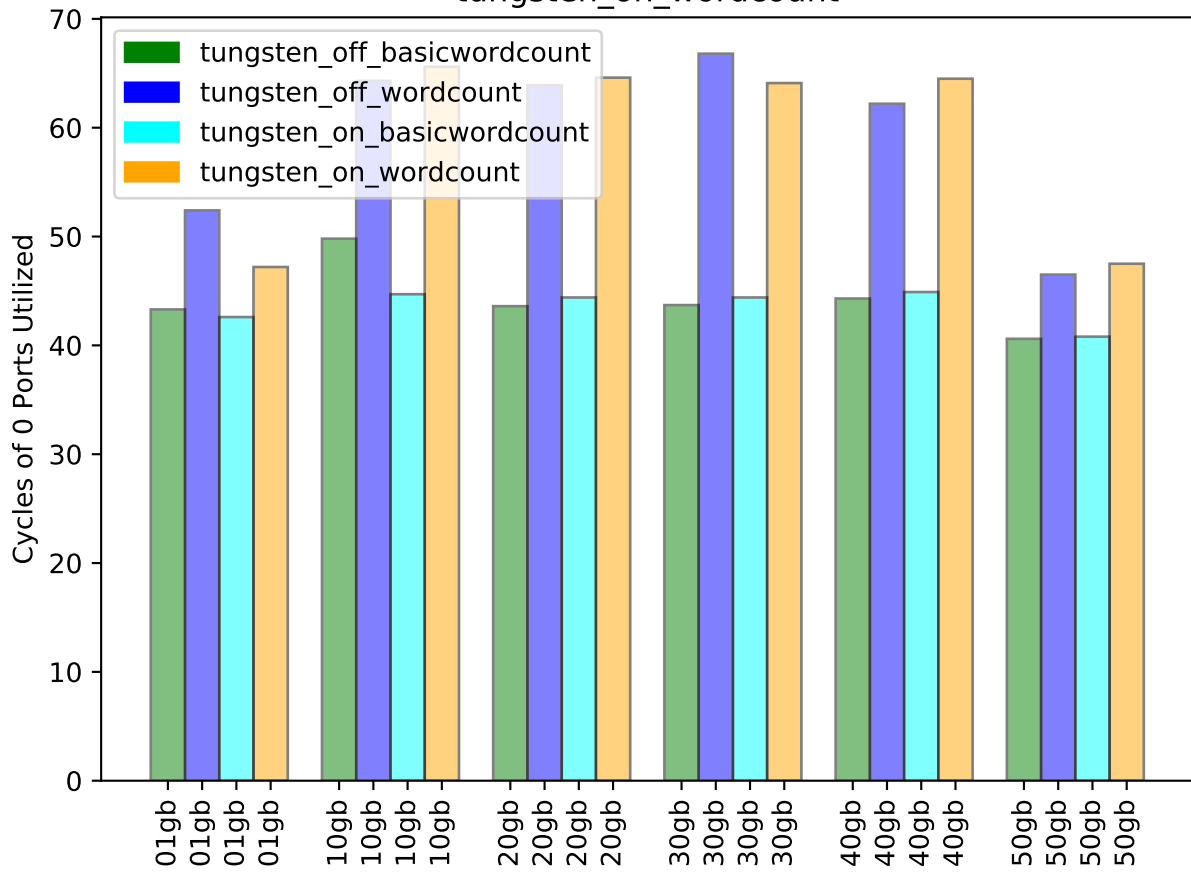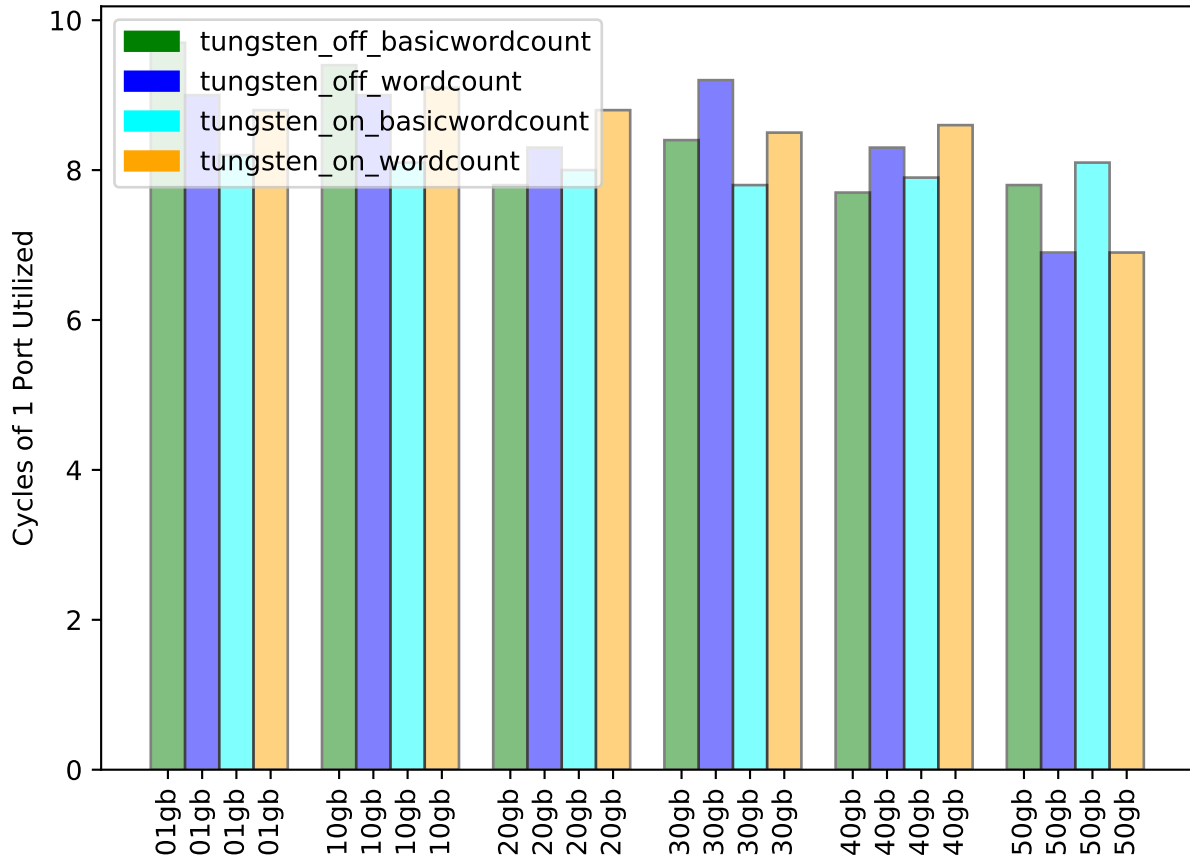- tungsten_on_basicwordcount
- tungsten_on_wordcount

tungsten_on_wordcount

tungsten_on_wordcount

- tungsten_off_basicwordcount
- tungsten_off_wordcount
- tungsten_on_basicwordcount
- tungsten_on_wordcount

tungsten_on_wordcount

Legend:
- tungsten_off_basicwordcount
- tungsten_off_wordcount
- tungsten_on_basicwordcount
- tungsten_on_wordcount

Y-axis: Core Bound

X-axis: 01gb, 01gb, 01gb, 01gb, 10gb, 10gb, 10gb, 10gb, 20gb, 20gb, 20gb, 20gb, 30gb, 30gb, 30gb, 30gb, 40gb, 40gb, 40gb, 40gb, 50gb, 50gb, 50gb, 50gb

tungsten_on_wordcount

tungsten_on_wordcount

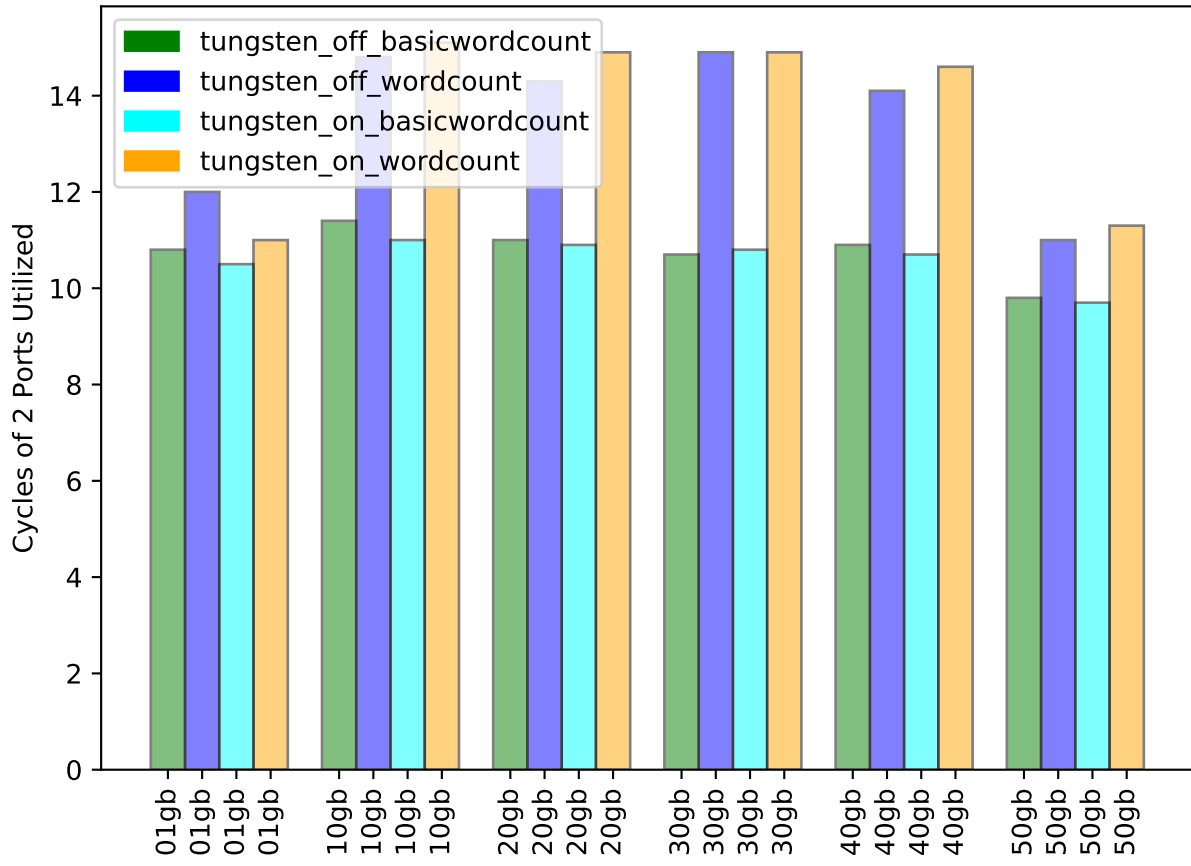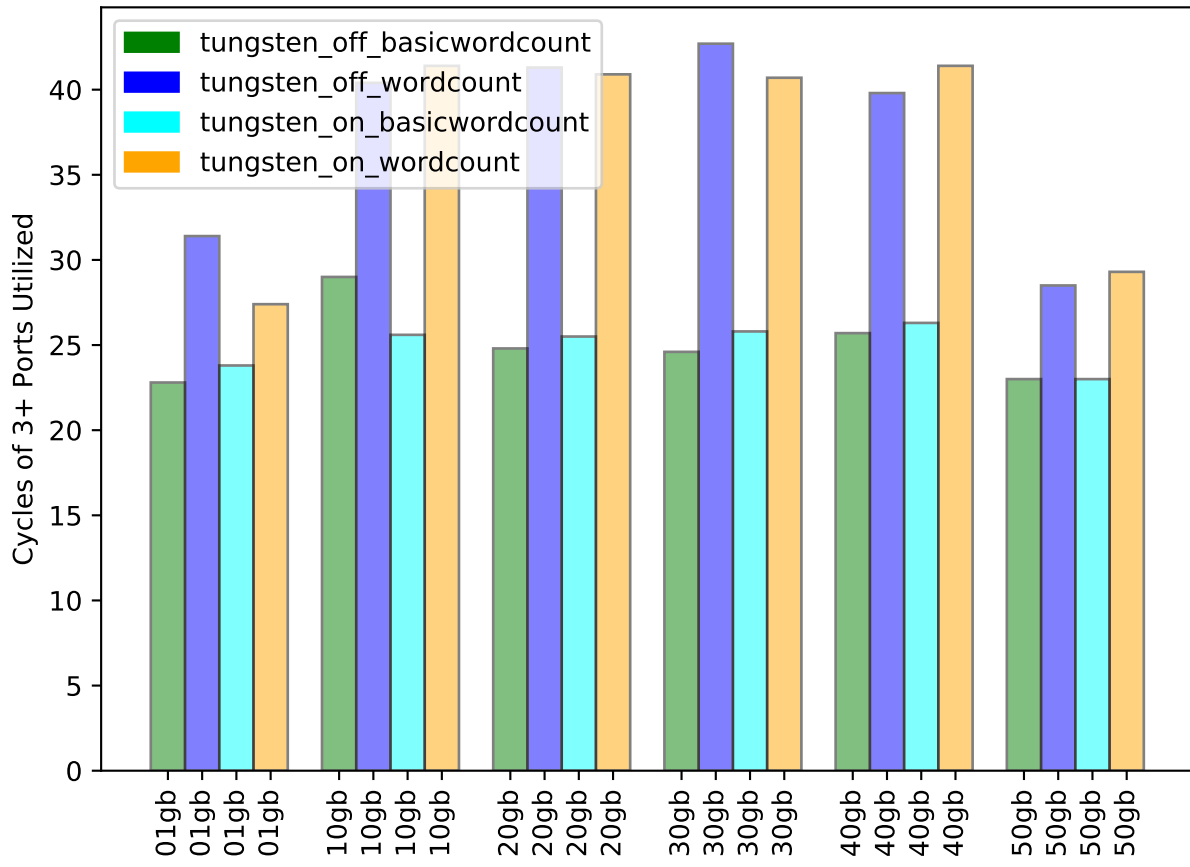| | tungsten_off_basicwordcount |
	tungsten_off_wordcount
	tungsten_on_basicwordcount
	tungsten_on_wordcount

tungsten_on_wordcount

tungsten_on_wordcount

Legend:
- tungsten_off_basicwordcount
- tungsten_off_wordcount
- tungsten_on_basicwordcount
- tungsten_on_wordcount

Y-axis: Cycles of 1 Port Utilized

X-axis categories: 01gb, 10gb, 20gb, 30gb, 40gb, 50gb

tungsten_on_wordcount

tungsten_on_wordcount

tungsten_on_wordcount

Legend:
- tungsten_off_basicwordcount
- tungsten_off_wordcount
- tungsten_on_basicwordcount
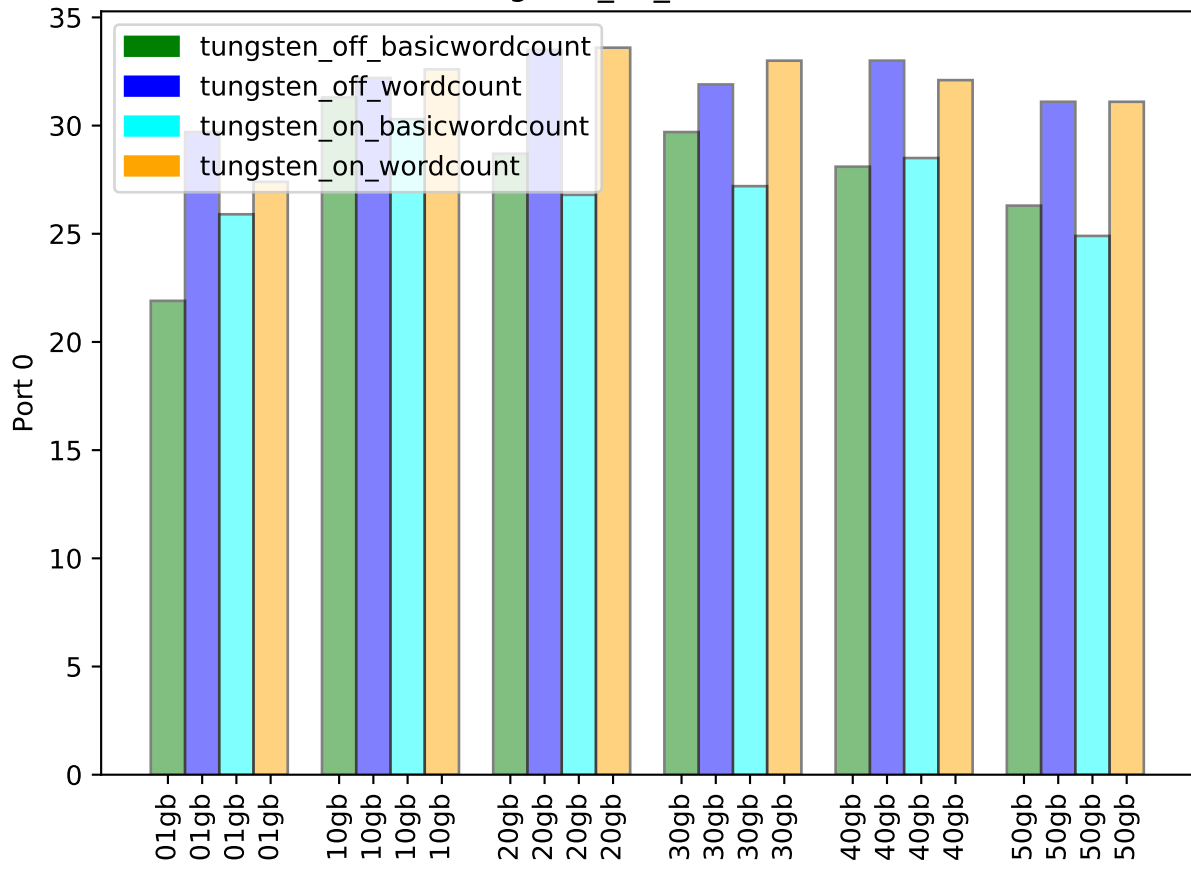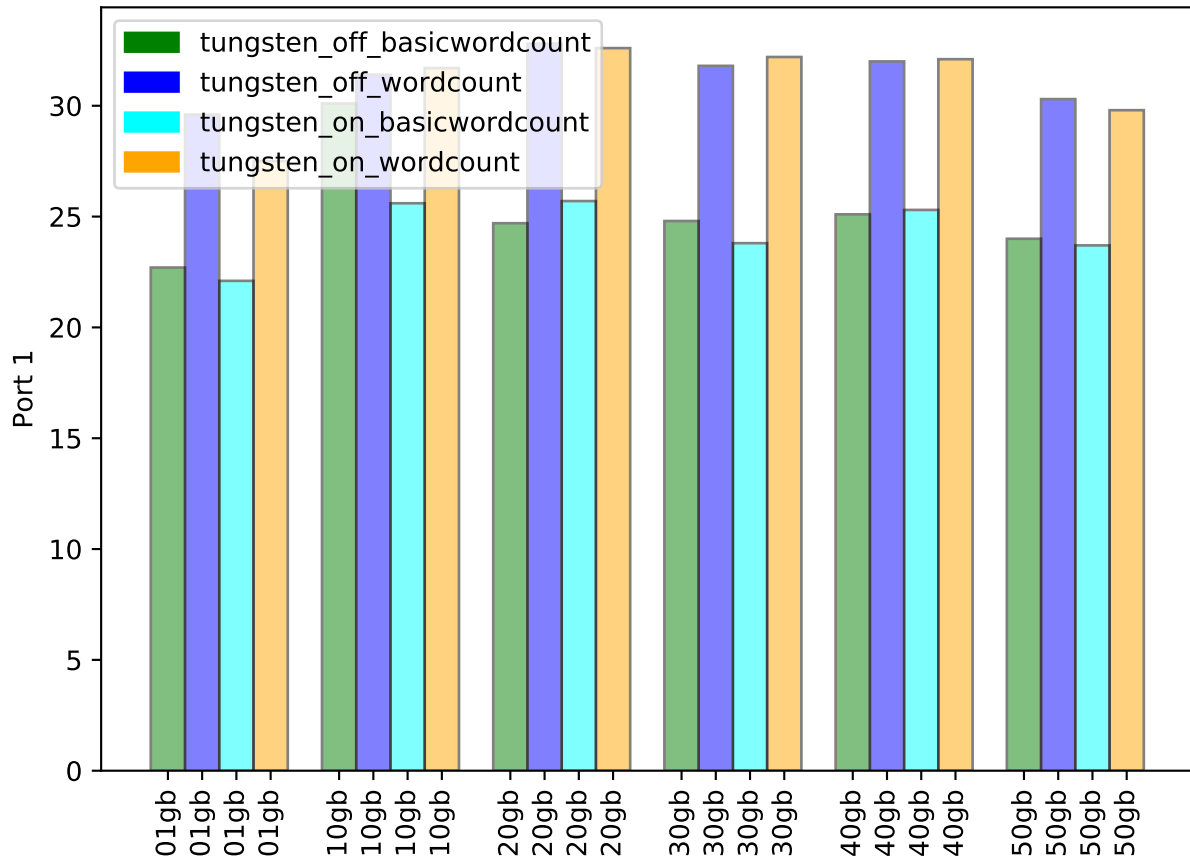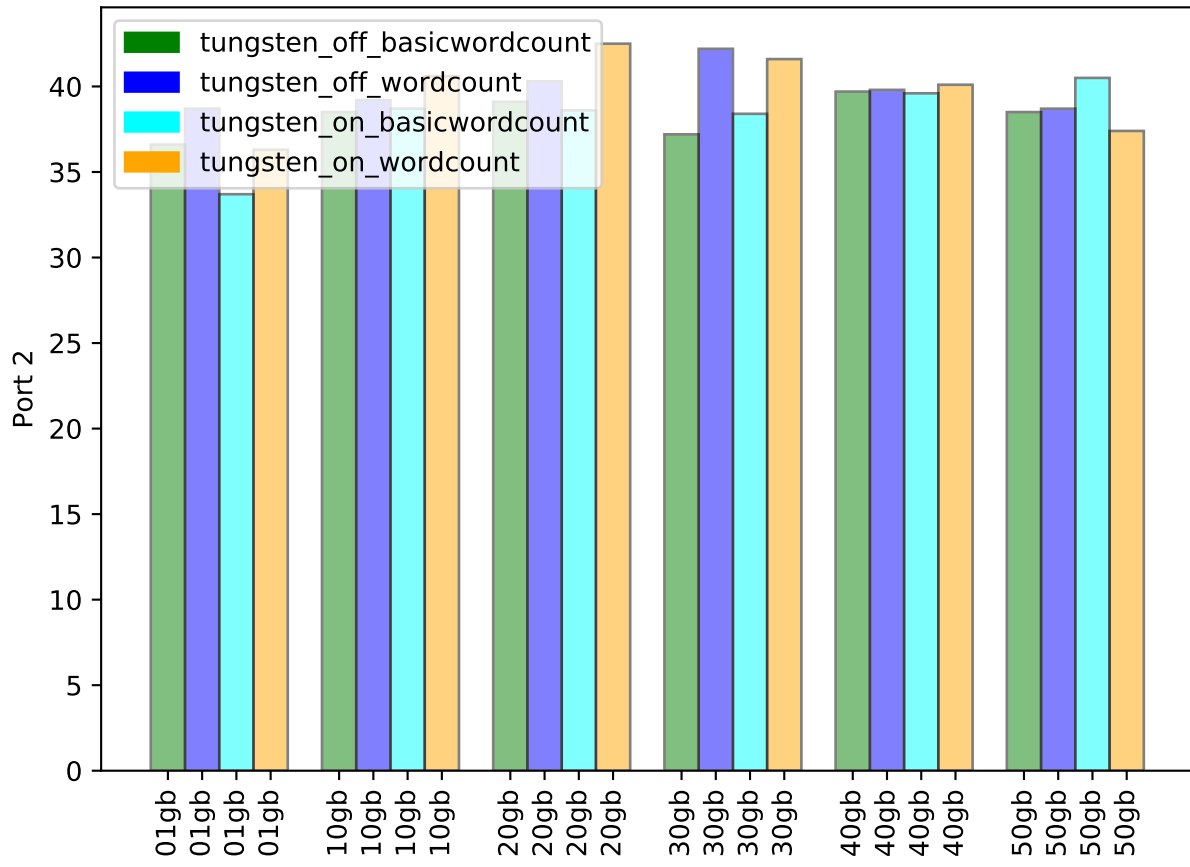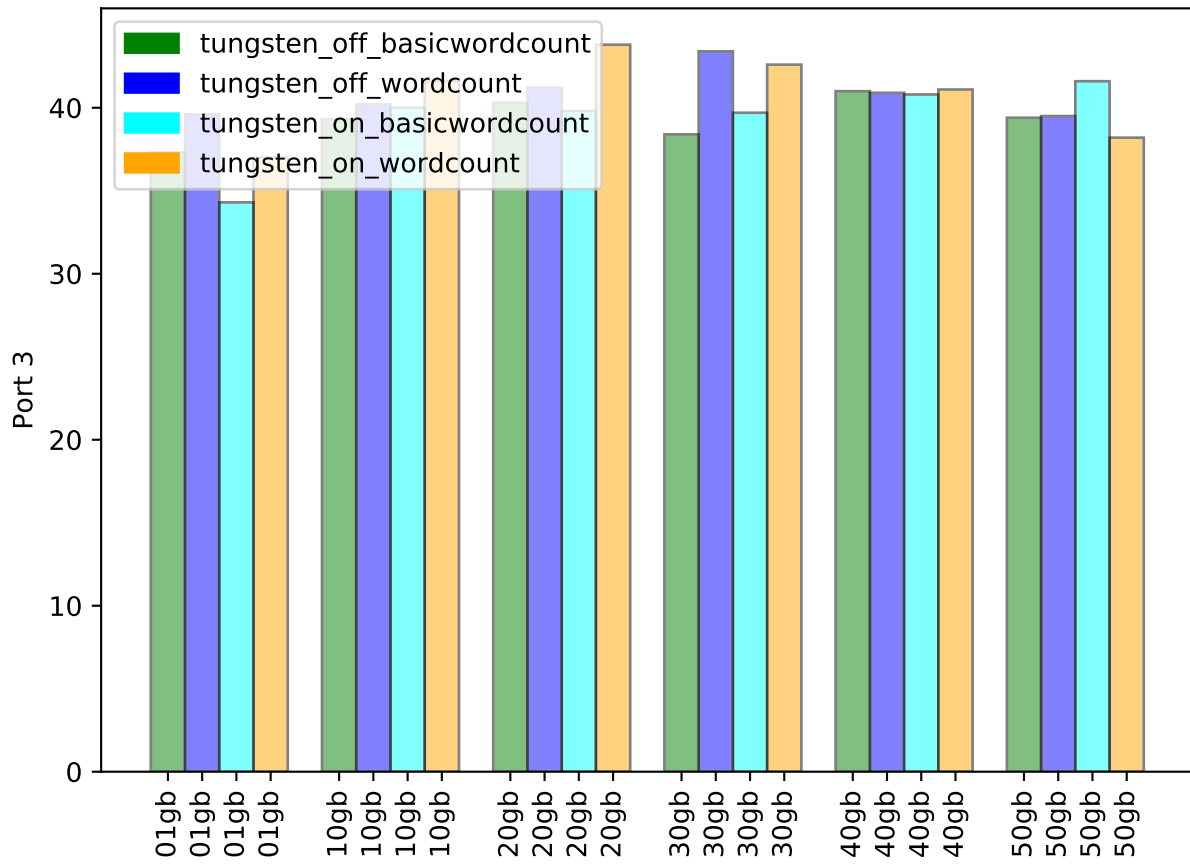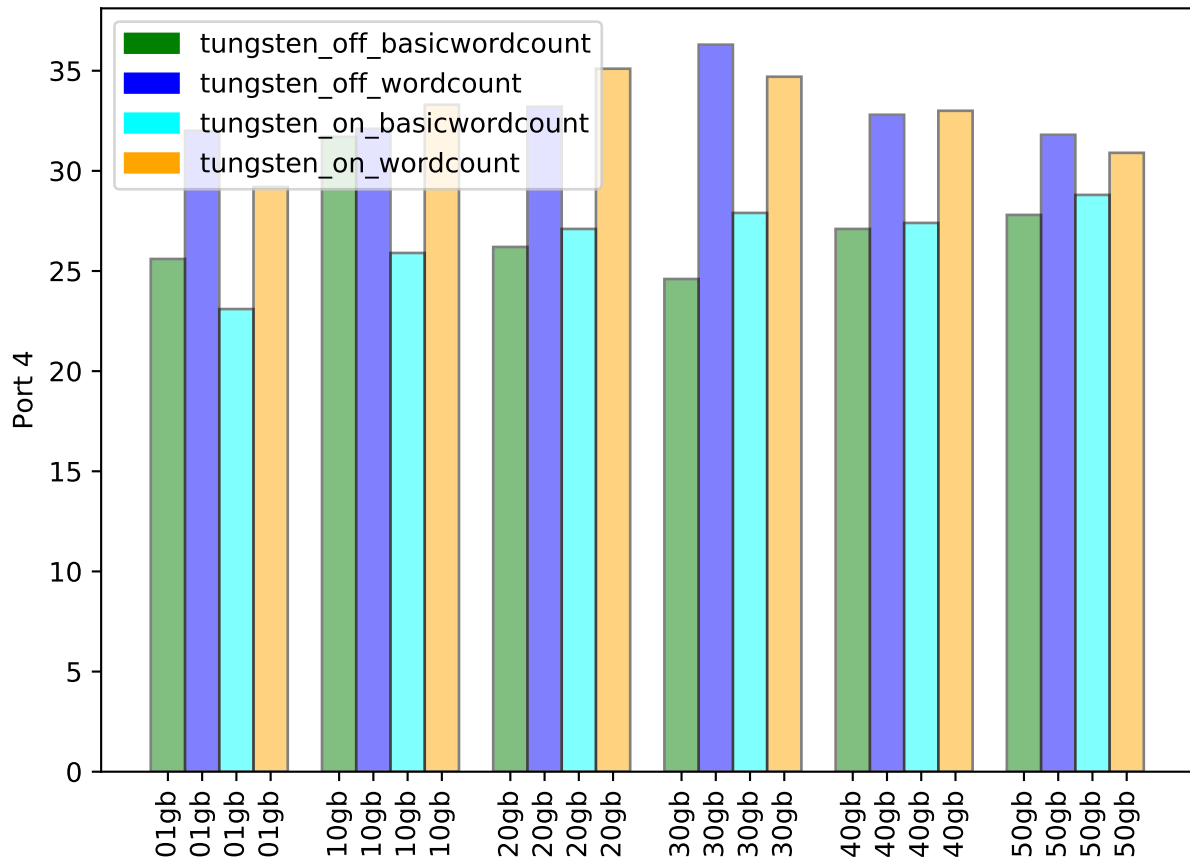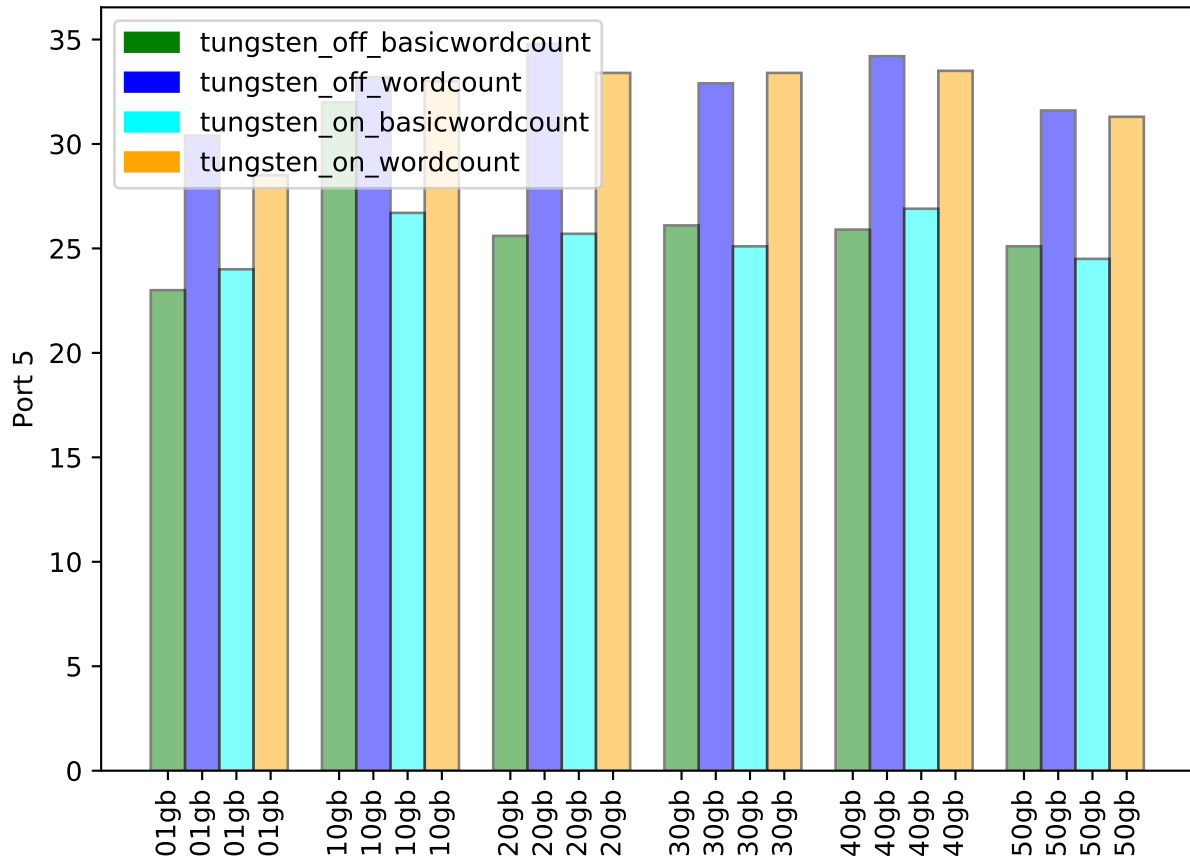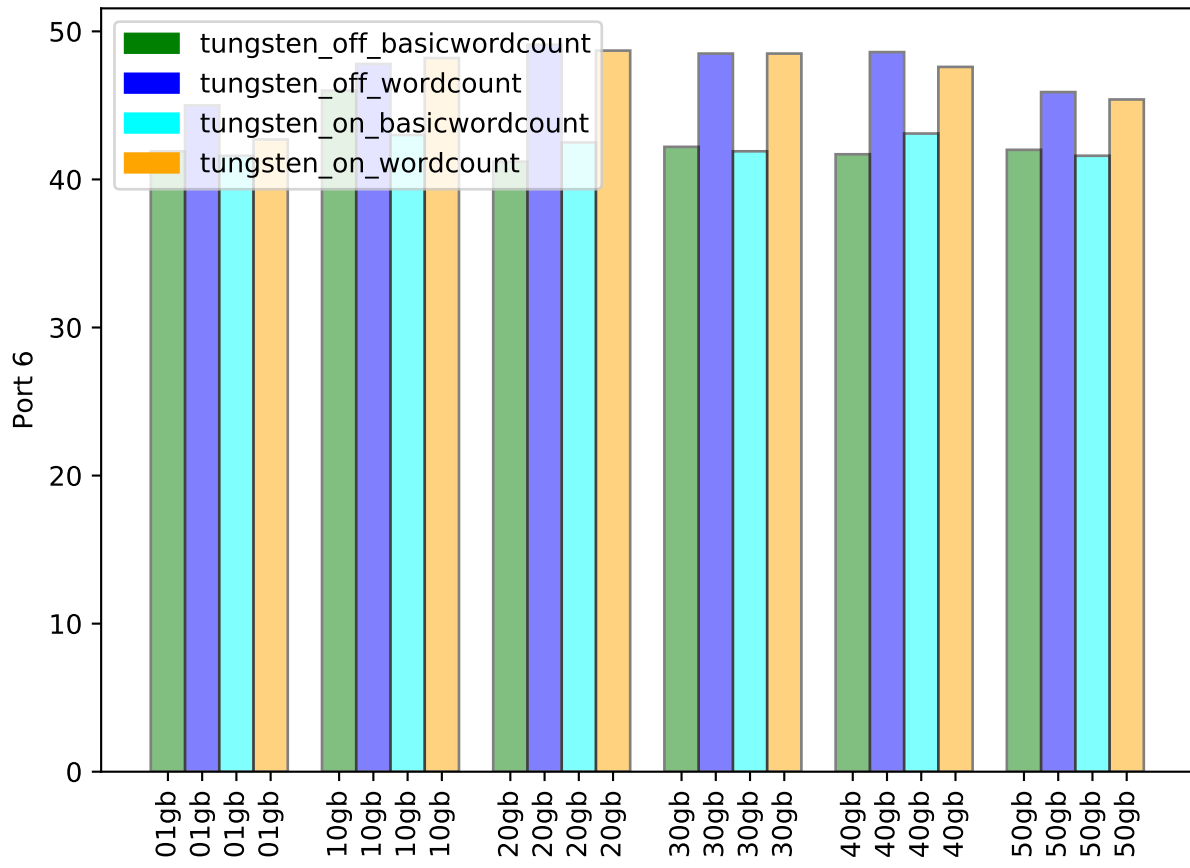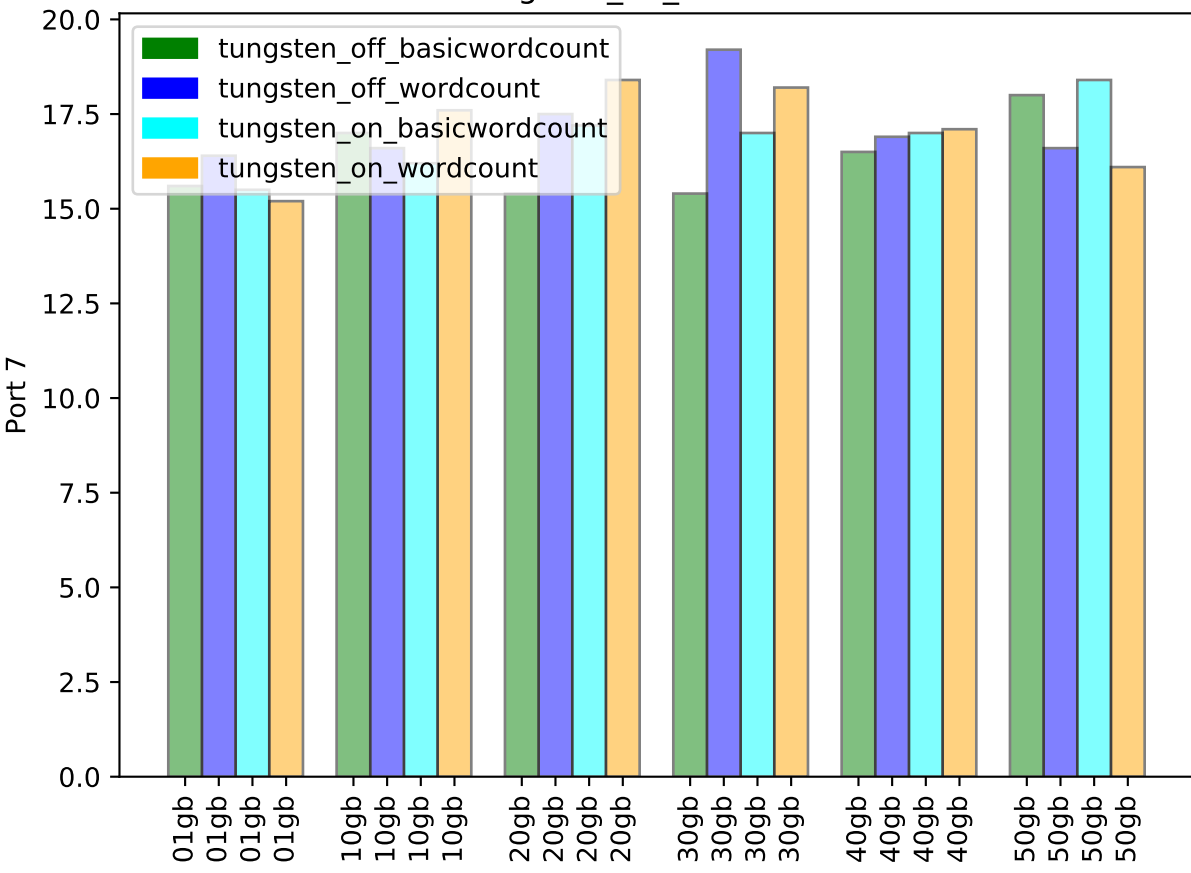- tungsten_on_wordcount

Y-axis: Port 0

tungsten_on_wordcount

tungsten_on_wordcount

tungsten_on_wordcount

tungsten_on_wordcount

Legend:
- tungsten_off_basicwordcount
- tungsten_off_wordcount
- tungsten_on_basicwordcount
- tungsten_on_wordcount

Y-axis: Port 4

X-axis categories: 01gb, 10gb, 20gb, 30gb, 40gb, 50gb

tungsten_on_wordcount

Legend:
- tungsten_off_basicwordcount
- tungsten_off_wordcount
- tungsten_on_basicwordcount
- tungsten_on_wordcount

Y-axis: Port 5

X-axis categories: 01gb, 10gb, 20gb, 30gb, 40gb, 50gb

tungsten_on_wordcount

Legend:
- tungsten_off_basicwordcount
- tungsten_off_wordcount
- tungsten_on_basicwordcount
- tungsten_on_wordcount

Y-axis: Port 6

X-axis categories: 01gb, 10gb, 20gb, 30gb, 40gb, 50gb

tungsten_on_wordcount

tungsten_on_wordcount

- tungsten_off_basicwordcount
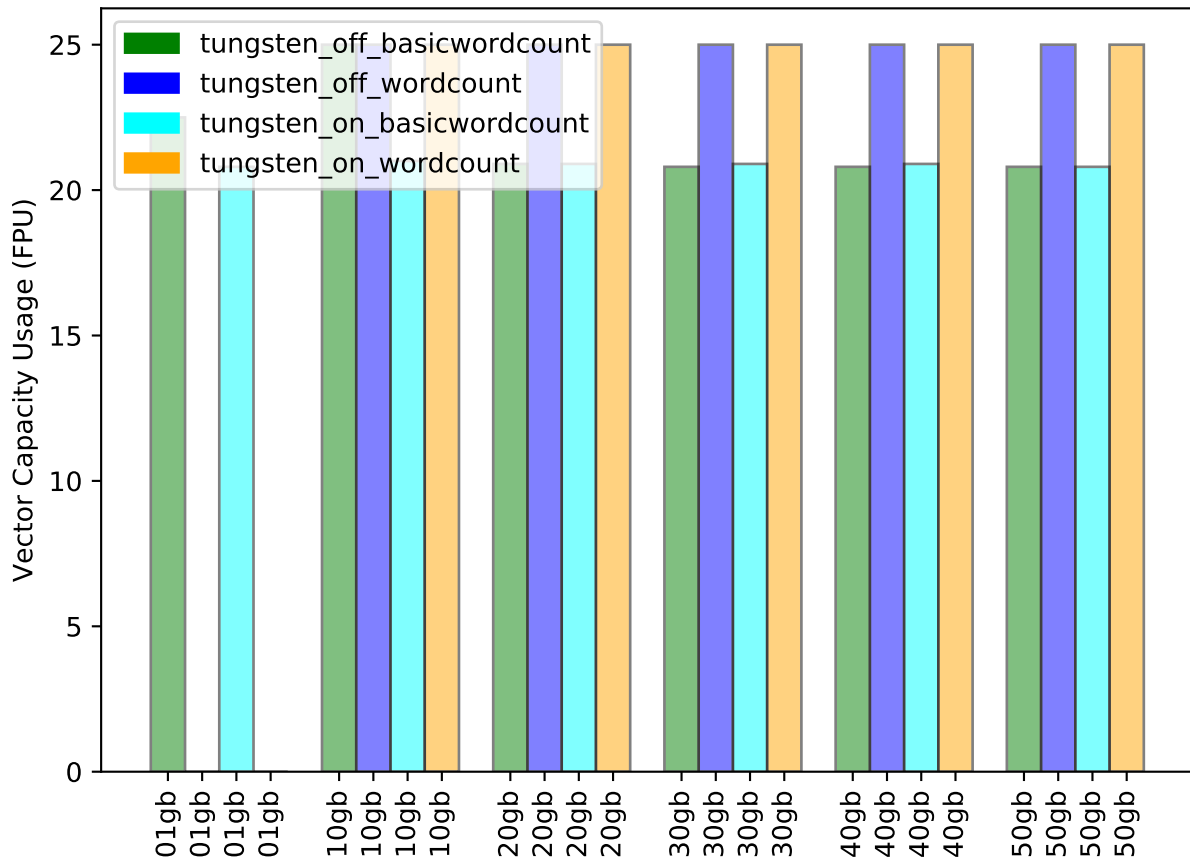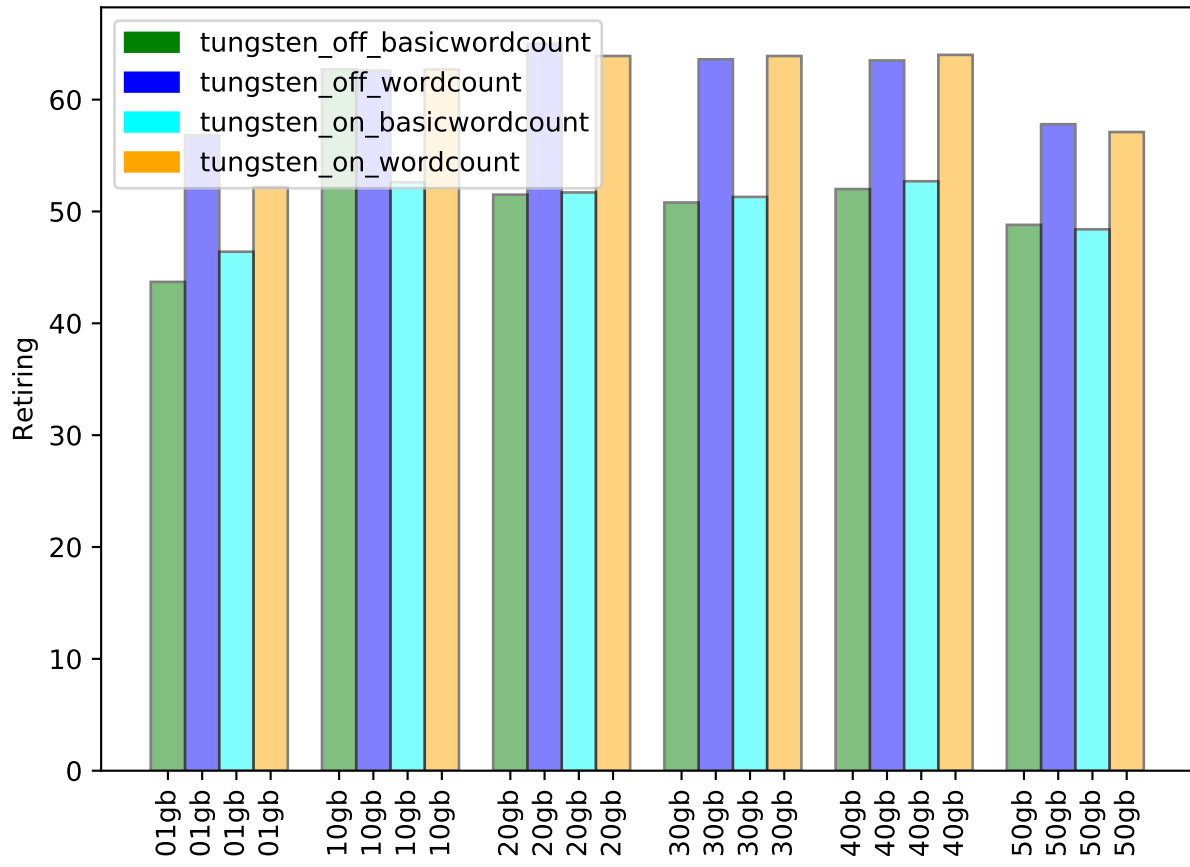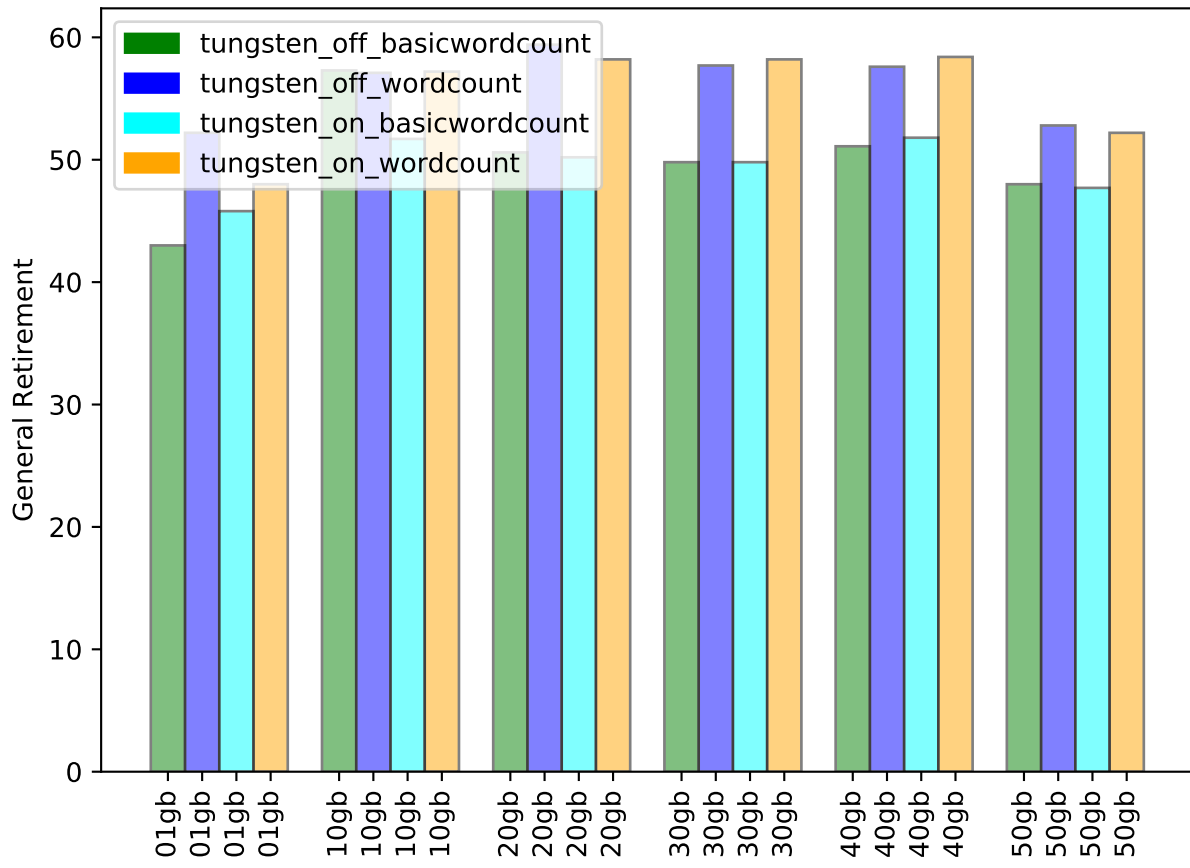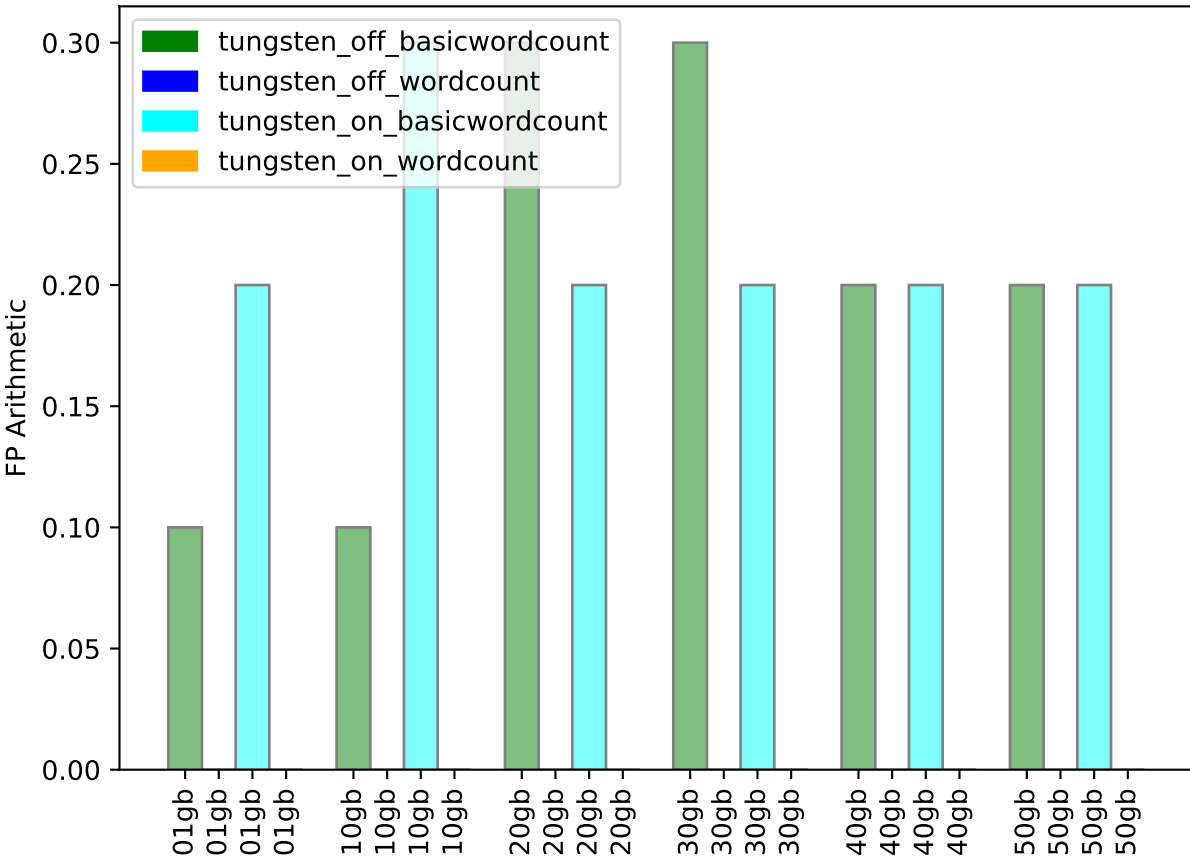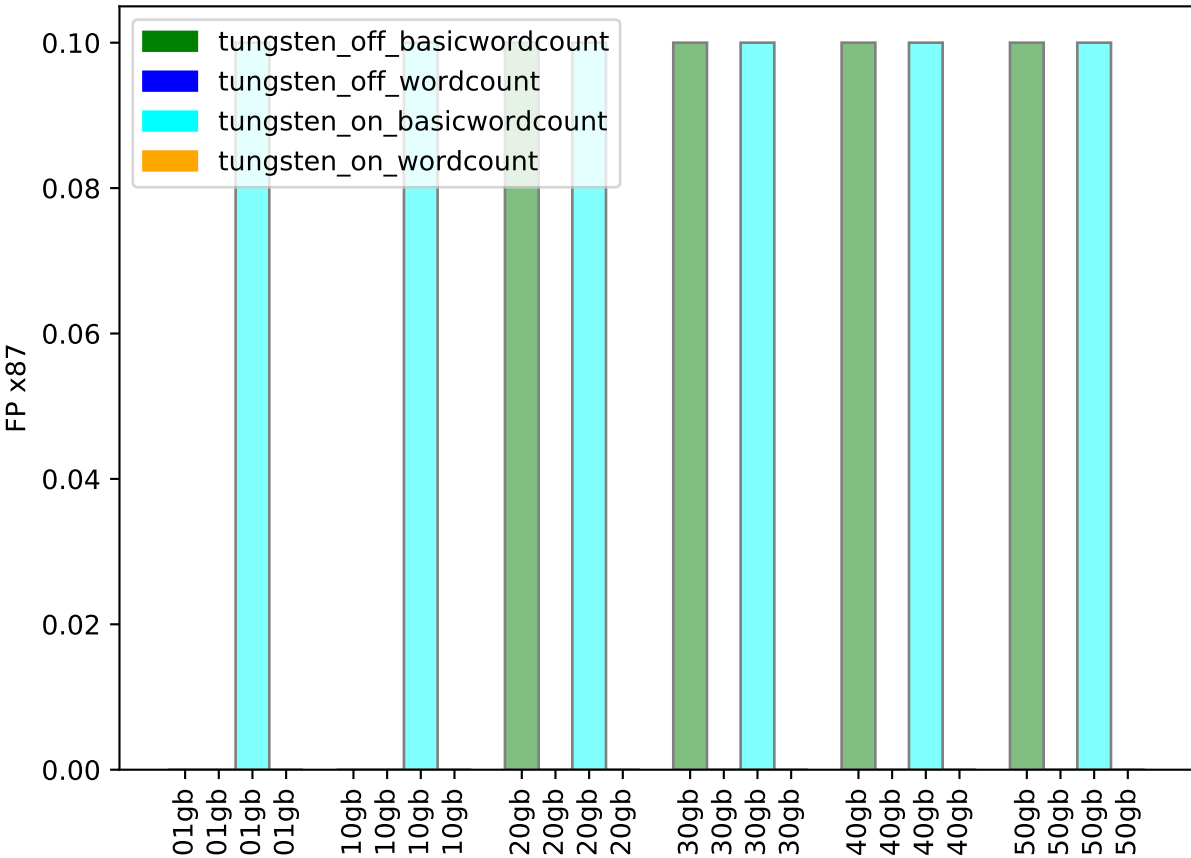- tungsten_off_wordcount
- tungsten_on_basicwordcount
- tungsten_on_wordcount

tungsten_on_wordcount

tungsten_on_wordcount

tungsten_on_wordcount

tungsten_on_wordcount

Legend:
- tungsten_off_basicwordcount
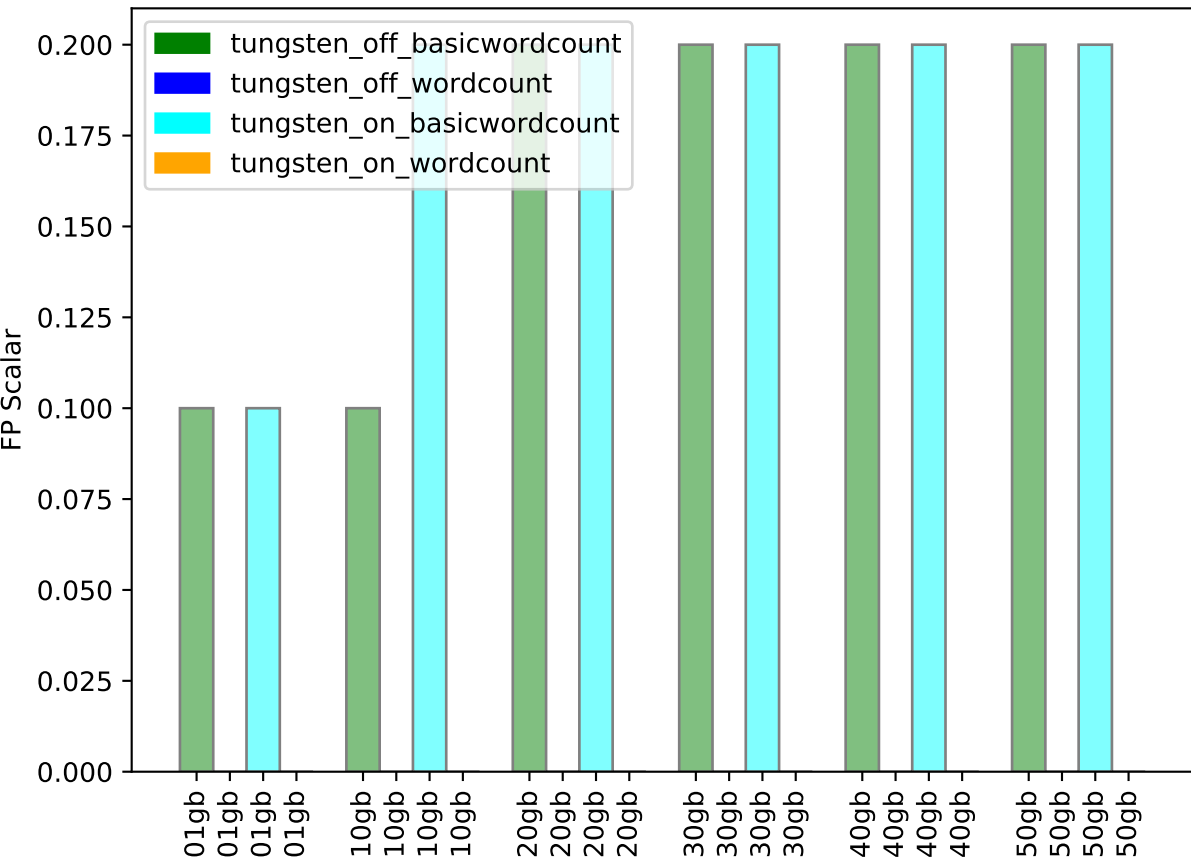- tungsten_off_wordcount
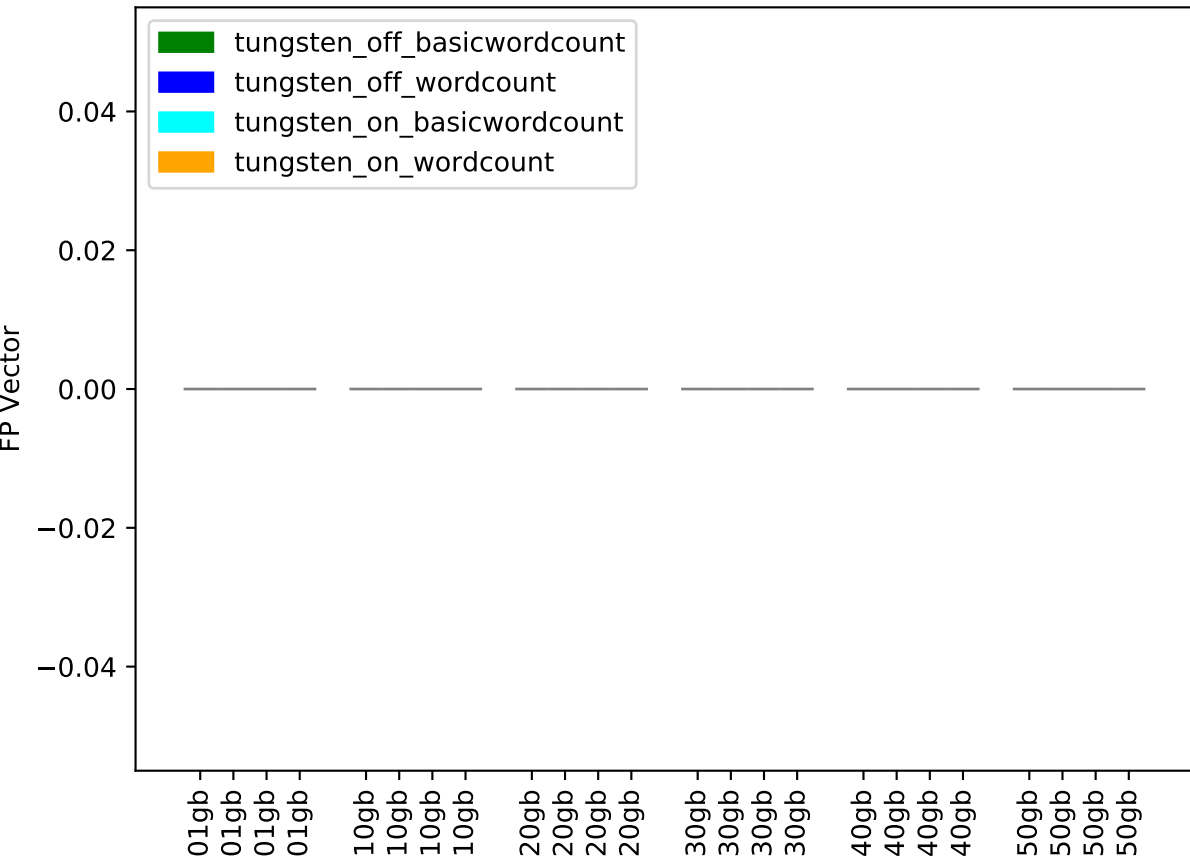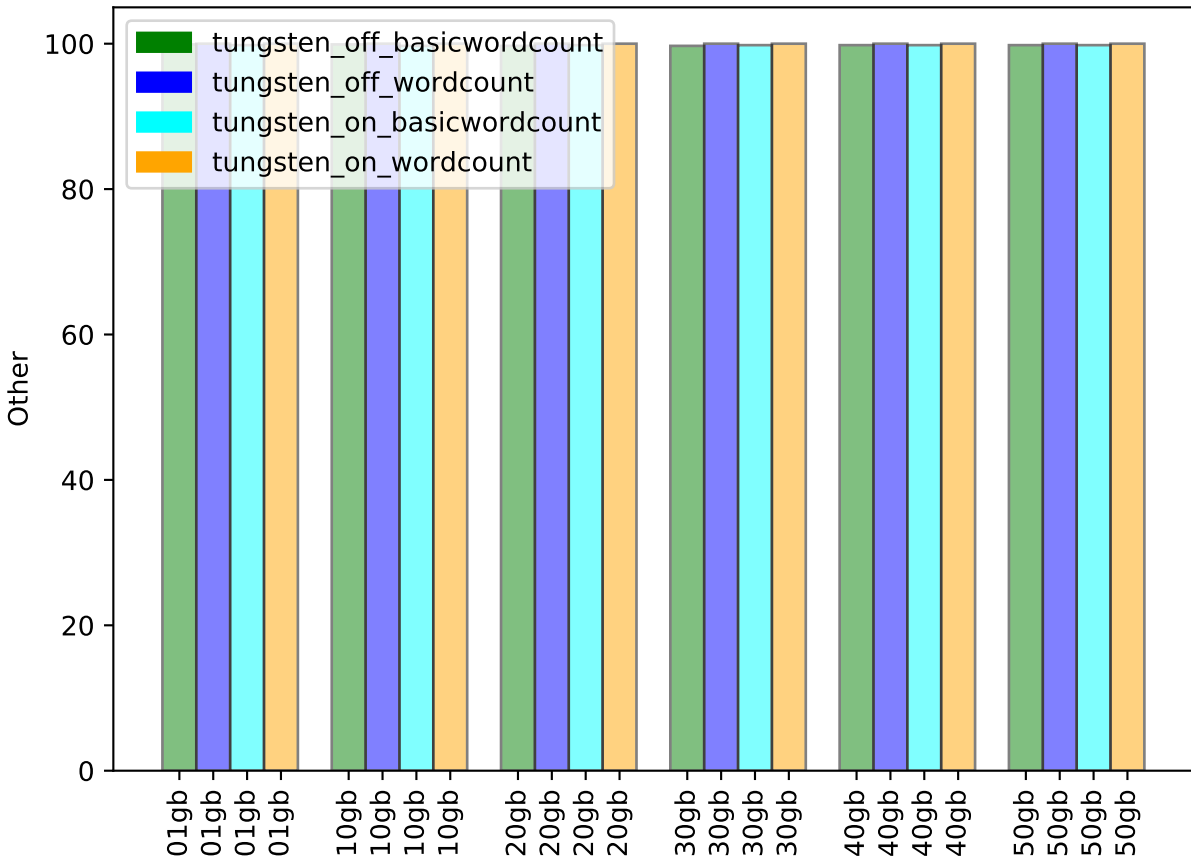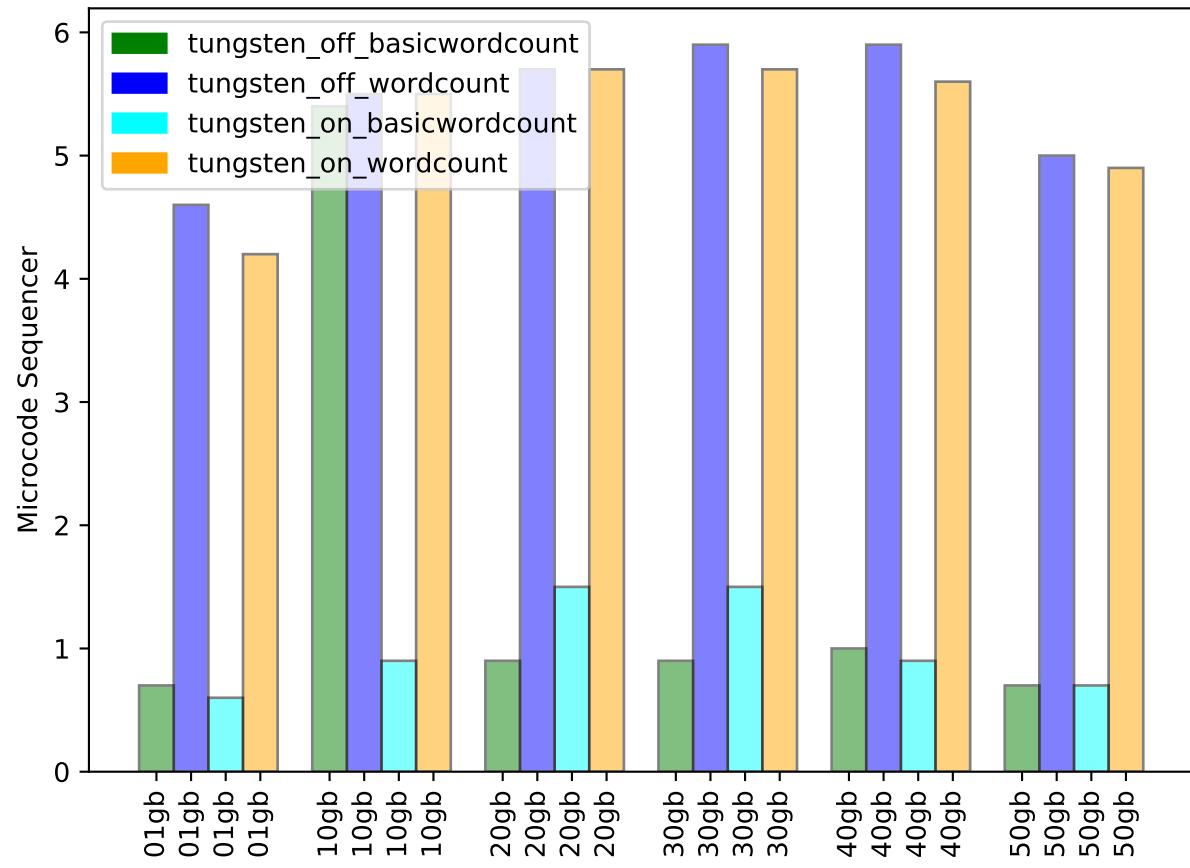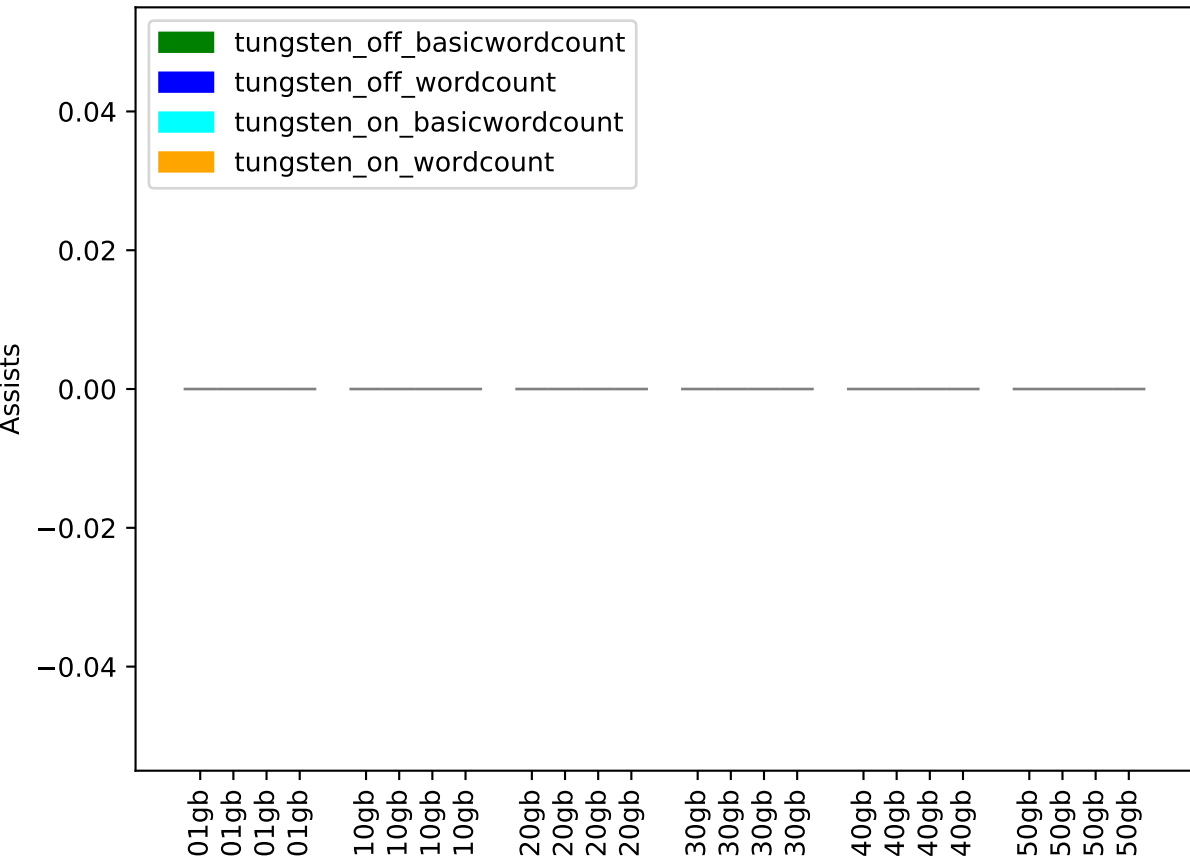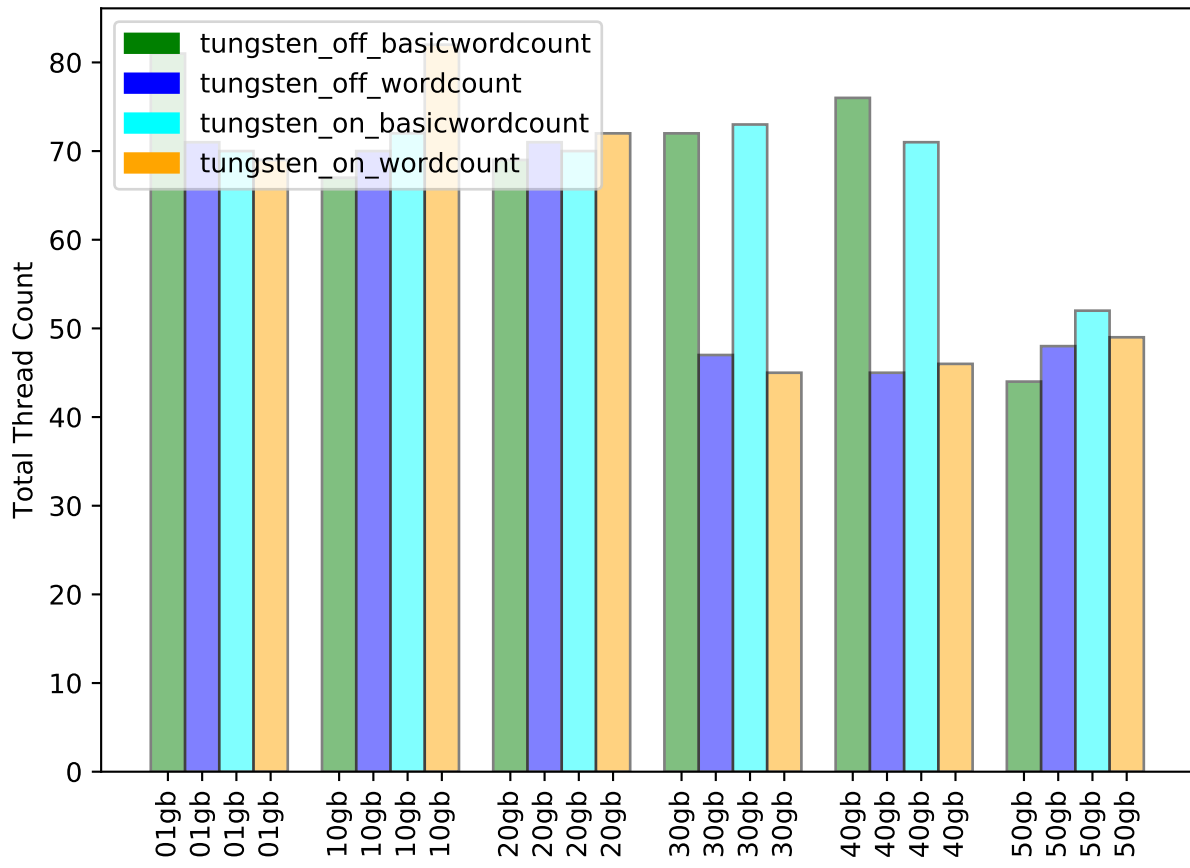- tungsten_on_basicwordcount
- tungsten_on_wordcount

tungsten_on_wordcount

tungsten_on_wordcount

tungsten_on_wordcount

tungsten_on_wordcount

tungsten_on_wordcount

tungsten_on_wordcount

tungsten_on_wordcount

Legend:
- tungsten_off_basicwordcount
- tungsten_off_wordcount
- tungsten_on_basicwordcount
- tungsten_on_wordcount

Y-axis: Paused Time

X-axis labels: 01gb 01gb 01gb 01gb 10gb 10gb 10gb 10gb 20gb 20gb 20gb 20gb 30gb 30gb 30gb 30gb 40gb 40gb 40gb 40gb 50gb 50gb 50gb 50gb