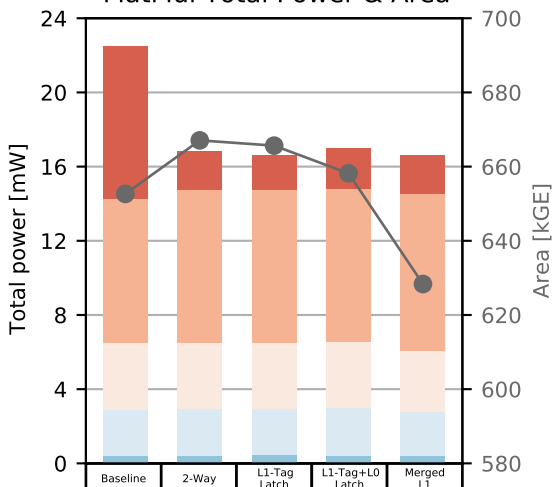
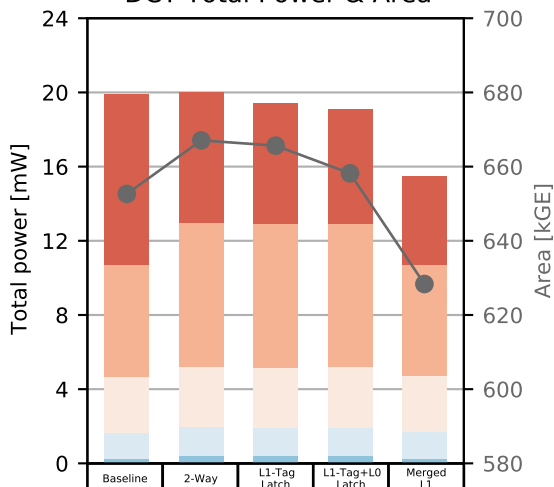


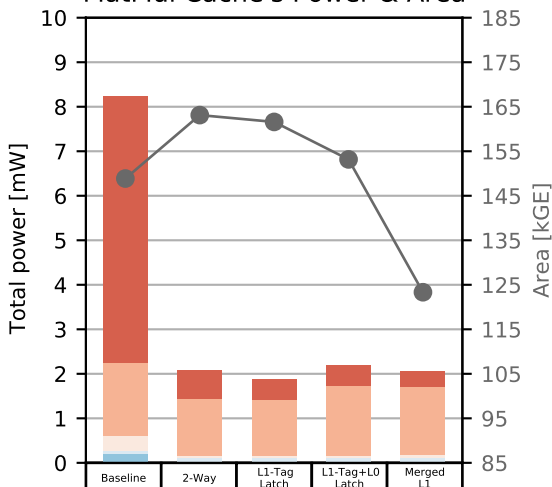
MatMul Total Power &amp; Area



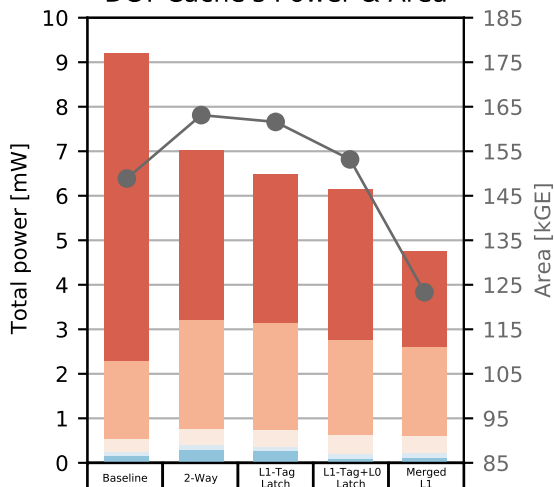
DCT Total Power &amp; Area



MatMul Cache's Power &amp; Area



DCT Cache's Power &amp; Area



| L1 lookup  | 5.98 | 0.63 | 0.45 | 0.47 | 0.35 |
|------------|------|------|------|------|------|
| L0 cache   | 1.66 | 1.29 | 1.27 | 1.58 | 1.54 |
| L1 handler | 0.33 | 0.04 | 0.04 | 0.04 | 0.05 |
| L1 refill  | 0.07 | 0.10 | 0.11 | 0.12 | 0.11 |
| Remainder  | 0.20 | 0.02 | 0.01 | 0.00 | 0.01 |
| Total      | 8.24 | 2.07 | 1.87 | 2.20 | 2.07 |

| L1 lookup  | 6.91 | 3.81 | 3.34 | 3.37 | 2.14 |
|------------|------|------|------|------|------|
| L0 cache   | 1.77 | 2.43 | 2.42 | 2.14 | 2.02 |
| L1 handler | 0.29 | 0.37 | 0.36 | 0.44 | 0.38 |
| L1 refill  | 0.07 | 0.10 | 0.11 | 0.12 | 0.11 |
| Remainder  | 0.17 | 0.30 | 0.26 | 0.09 | 0.11 |
| Total      | 9.21 | 7.02 | 6.49 | 6.15 | 4.76 |