Intel® Core™ i5-7360U CPU @ 2.30GHz L1: 32KB, L2: 256KB, L3: 4MB Compiler: clang 12.0.0 Flag:-march=native -O3 7.0 L2 Cache L1 Cache mul_fix_naive 6.5 mul_fix_precision mul fix precision unfold 6.0 mul fix precision 1x unfold 5.5 mul fix precision 2x unfold mul_fix_precision_4x_unfold 5.0 mul_fix_precision_8x_unfold mul_fix_precision_12x_unfold mul_fix_precision_16x_unfold 1.5 1.0 0.5 0.0 2⁷ 2^{15} 2³ 2⁵ 2⁶ 2⁸ 2⁹ 2^{10} 2¹¹ 2^{12} 2^{13} 2^{14} 2^{16} 24

Input Size