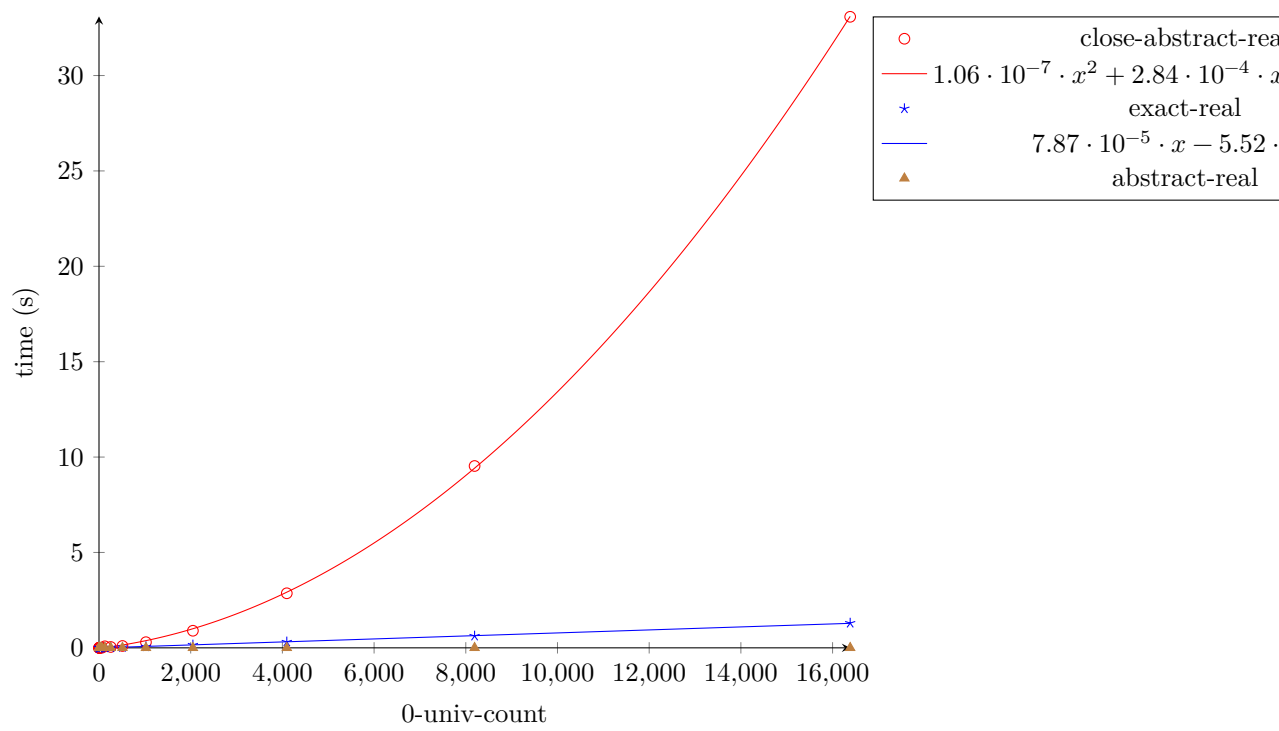Figure 1: timing-pattern

1

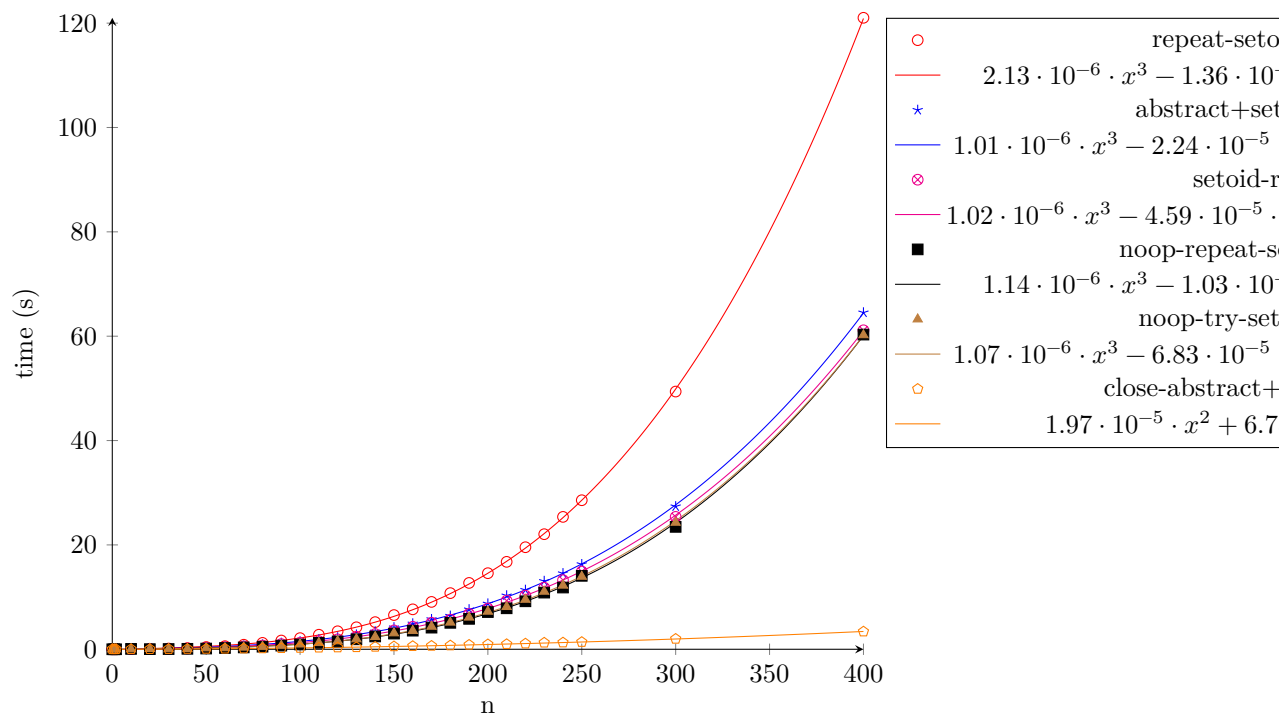Figure 2: timing-n-polymorphic-universes param-1-n 0

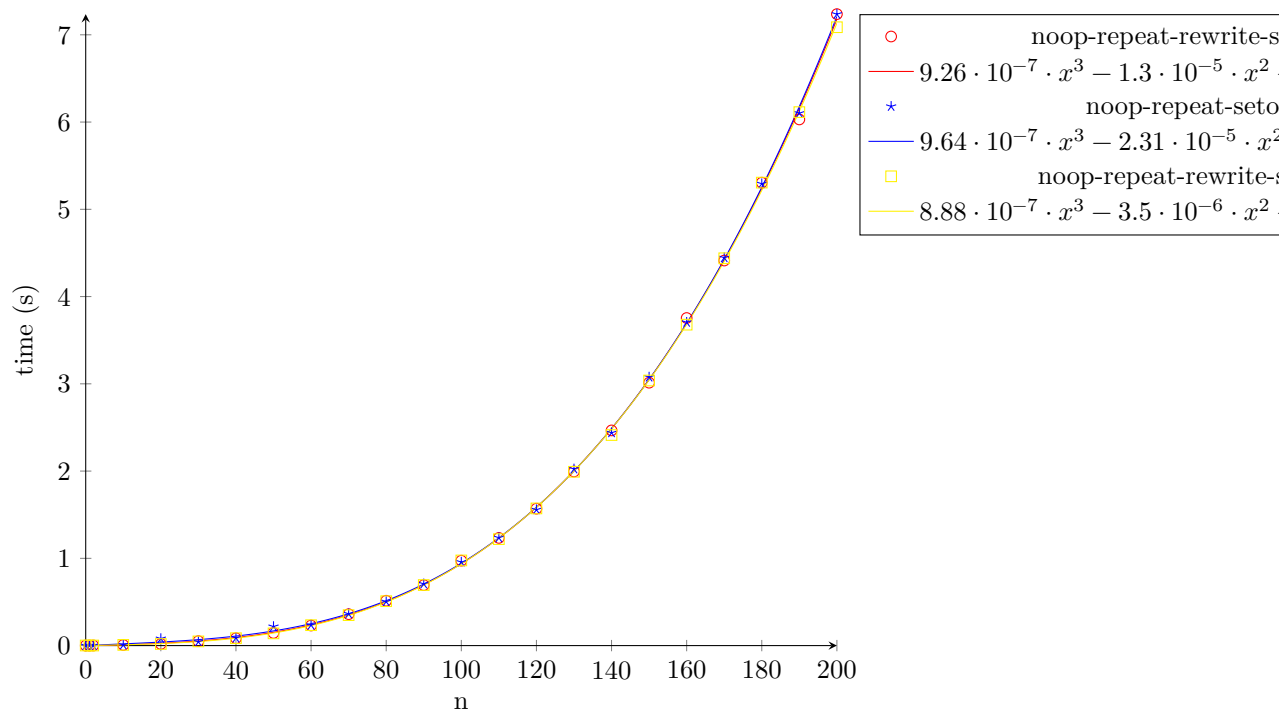Figure 3: timing-repeat-setoid-rewrite-under-binders

3

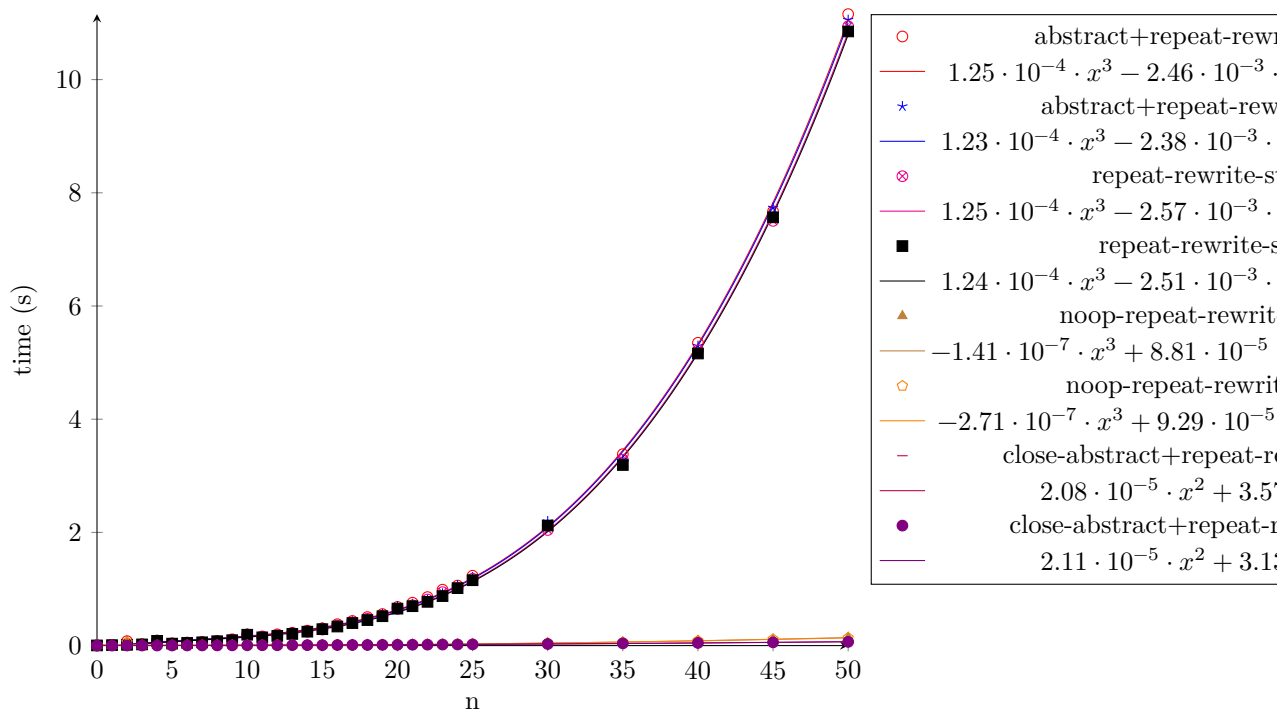Figure 4: timing-repeat-setoid-rewrite-under-binders-noop

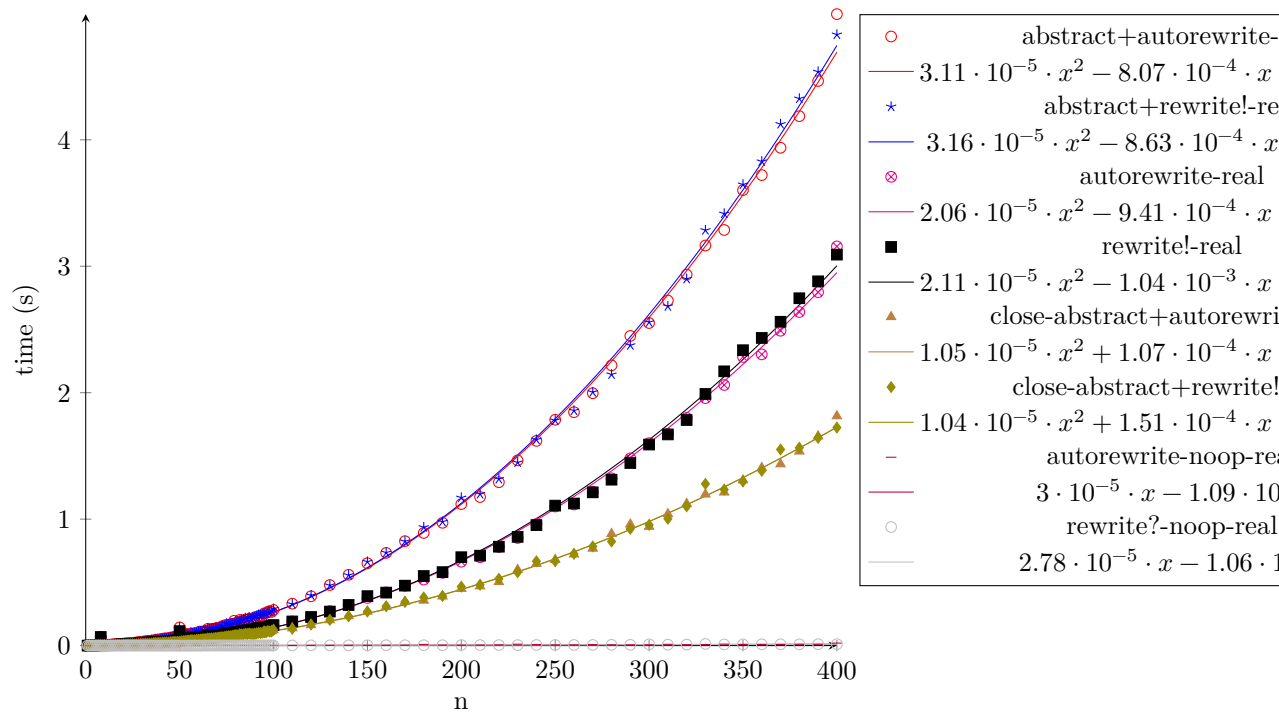Figure 5: timing-rewrite-strat-under-binders
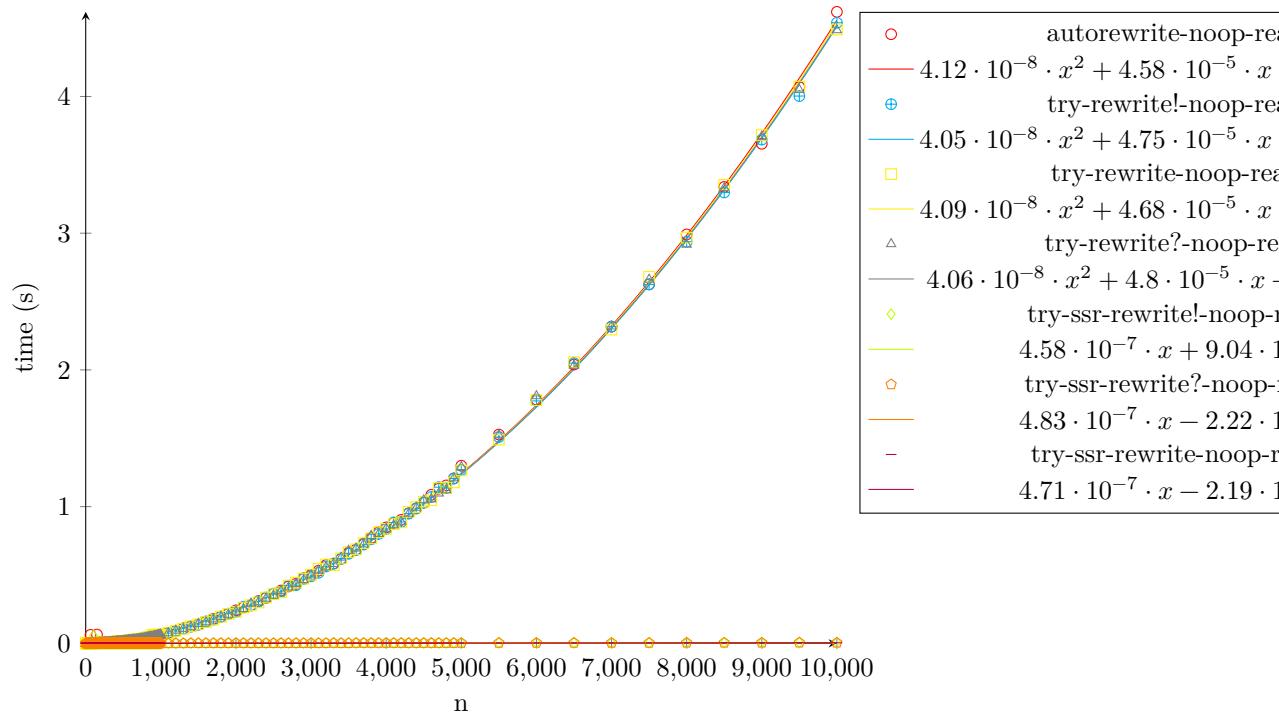
Figure 6: timing-rewrite-repeated-app-autorewrite

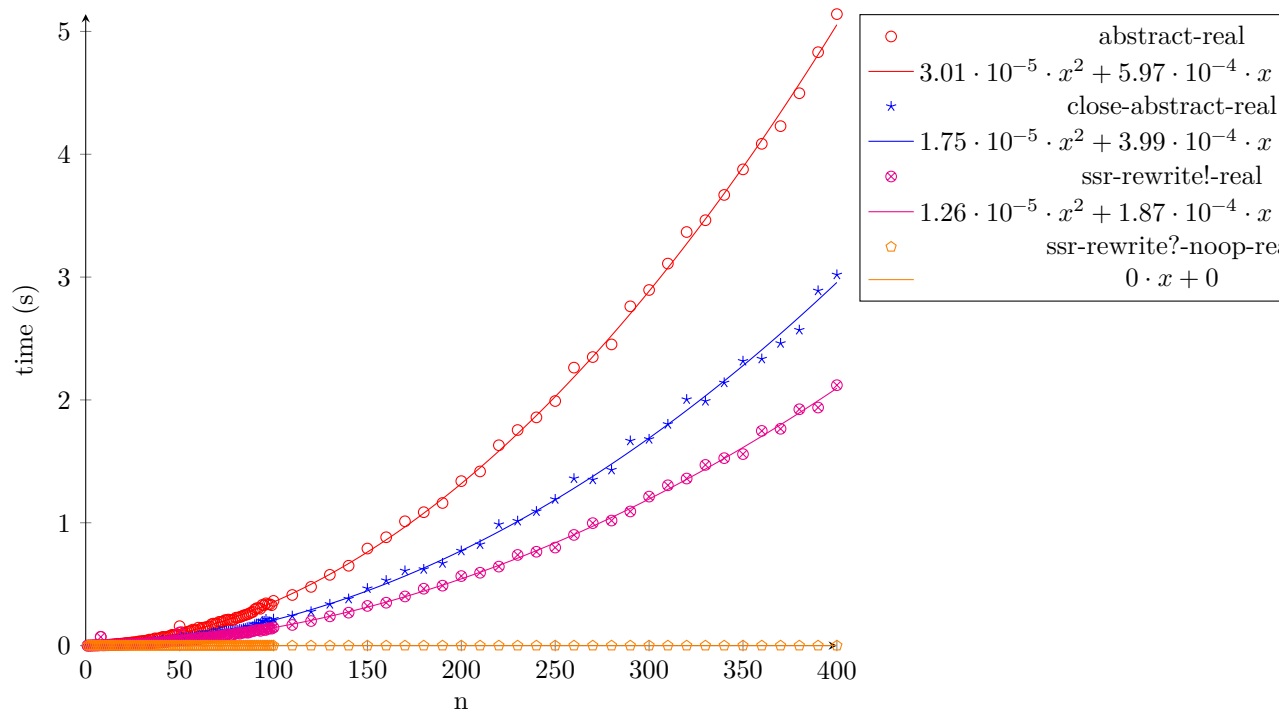Figure 7: timing-rewrite-repeated-app-autorewrite-noop

The chart contains the following plotted series and fit curves:

- autorewrite-noop-re...
  $4.12 \cdot 10^{-8} \cdot x^2 + 4.58 \cdot 10^{-5} \cdot x$
- try-rewrite!-noop-re...
  $4.05 \cdot 10^{-8} \cdot x^2 + 4.75 \cdot 10^{-5} \cdot x$
- try-rewrite-noop-re...
  $4.09 \cdot 10^{-8} \cdot x^2 + 4.68 \cdot 10^{-5} \cdot x$
- try-rewrite?-noop-re...
  $4.06 \cdot 10^{-8} \cdot x^2 + 4.8 \cdot 10^{-5} \cdot x$
- try-ssr-rewrite!-noop-...
  $4.58 \cdot 10^{-7} \cdot x + 9.04 \cdot 1...$
- try-ssr-rewrite?-noop-...
  $4.83 \cdot 10^{-7} \cdot x - 2.22 \cdot 1...$
- try-ssr-rewrite-noop-...
  $4.71 \cdot 10^{-7} \cdot x - 2.19 \cdot 1...$

Figure 8: timing-rewrite-repeated-app-ssrrewrite

8

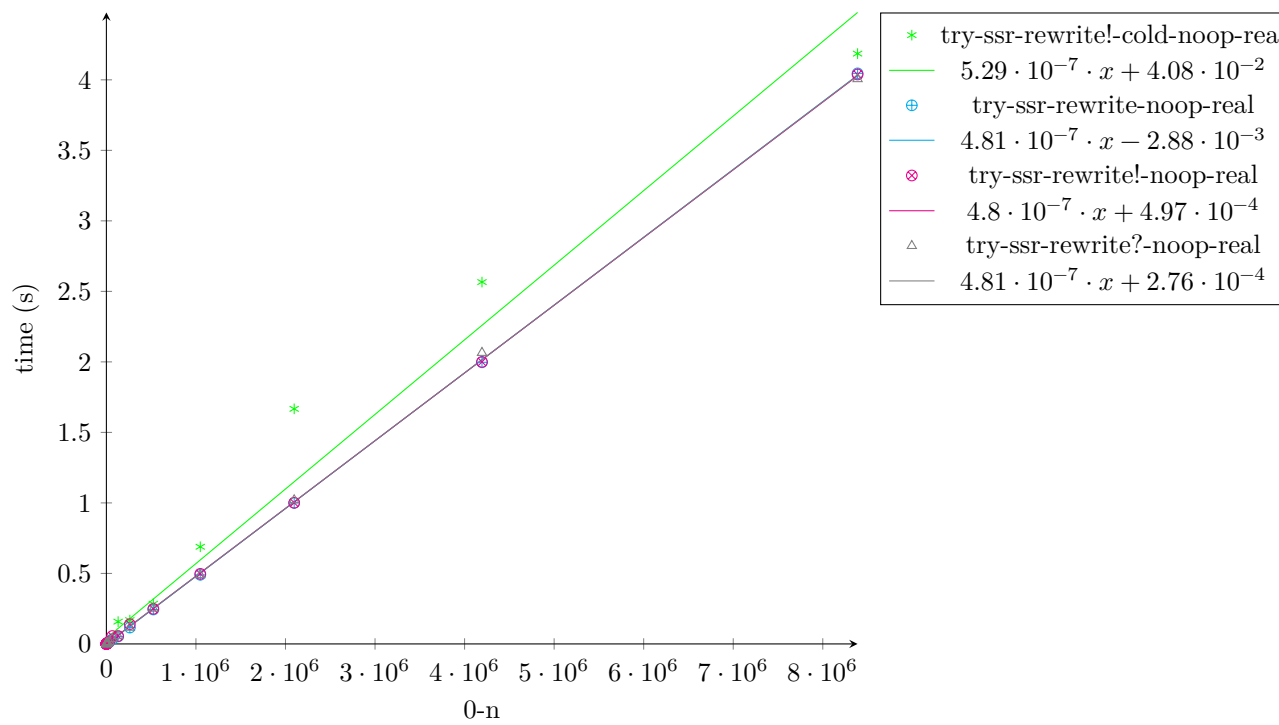Figure 9: timing-rewrite-repeated-app-ssrrewrite-noop param-1-lgn   1

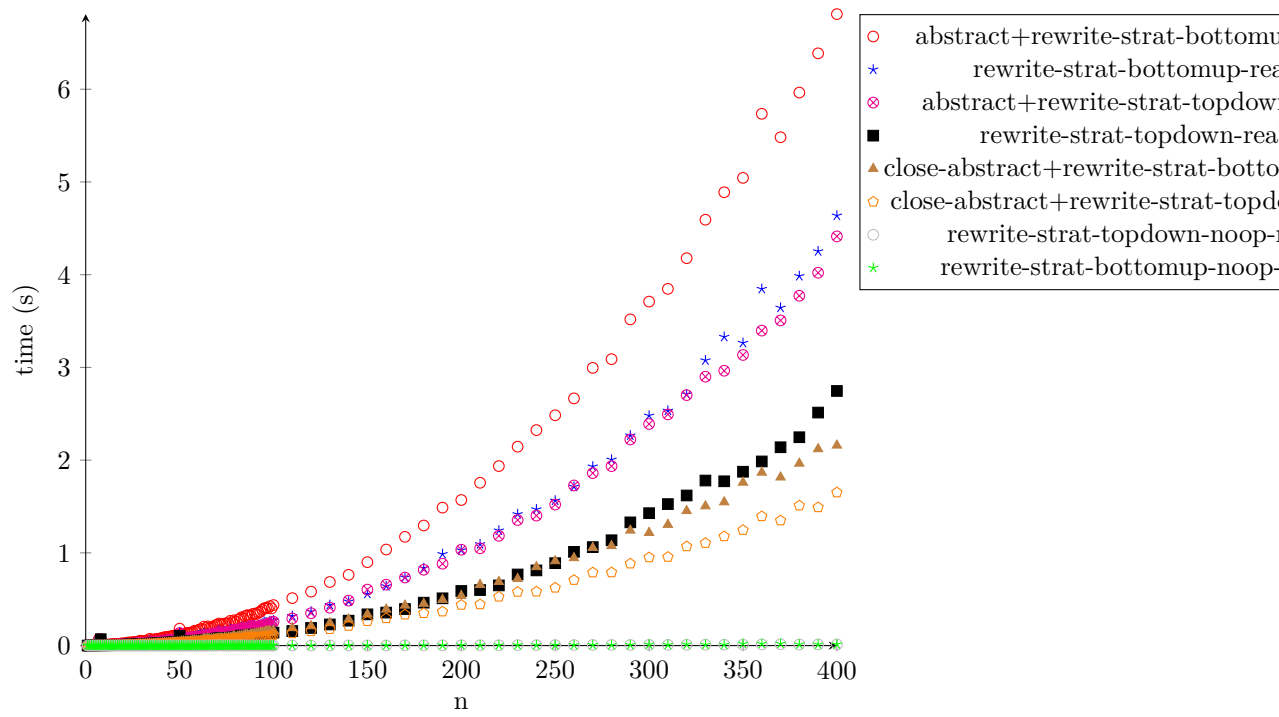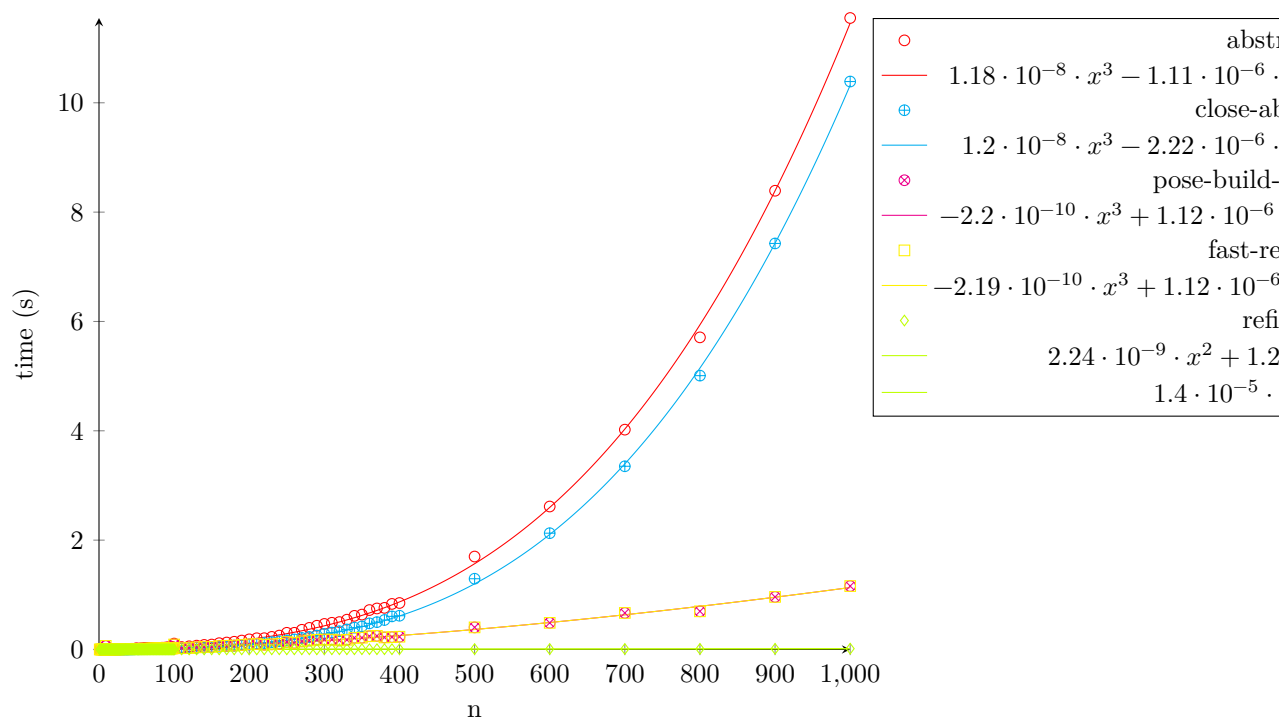Figure 10: timing-rewrite-repeated-app-rewrite-strat

The figure legend contains the following entries:
- abstract+rewrite-strat-bottomu...
- rewrite-strat-bottomup-rea...
- abstract+rewrite-strat-topdow...
- rewrite-strat-topdown-rea...
- close-abstract+rewrite-strat-botto...
- close-abstract+rewrite-strat-topd...
- rewrite-strat-topdown-noop-...
- rewrite-strat-bottomup-noop-...

Figure 11: timing-rewrite-repeated-app-fast-rewrite
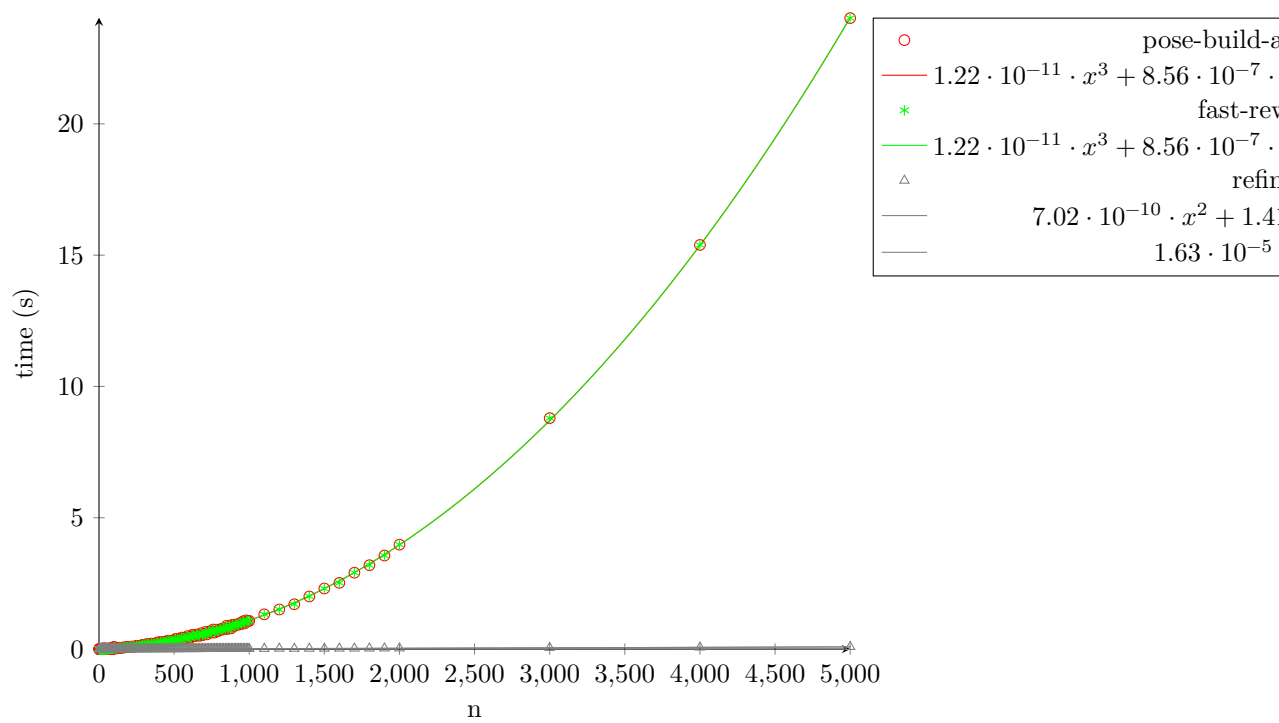
11

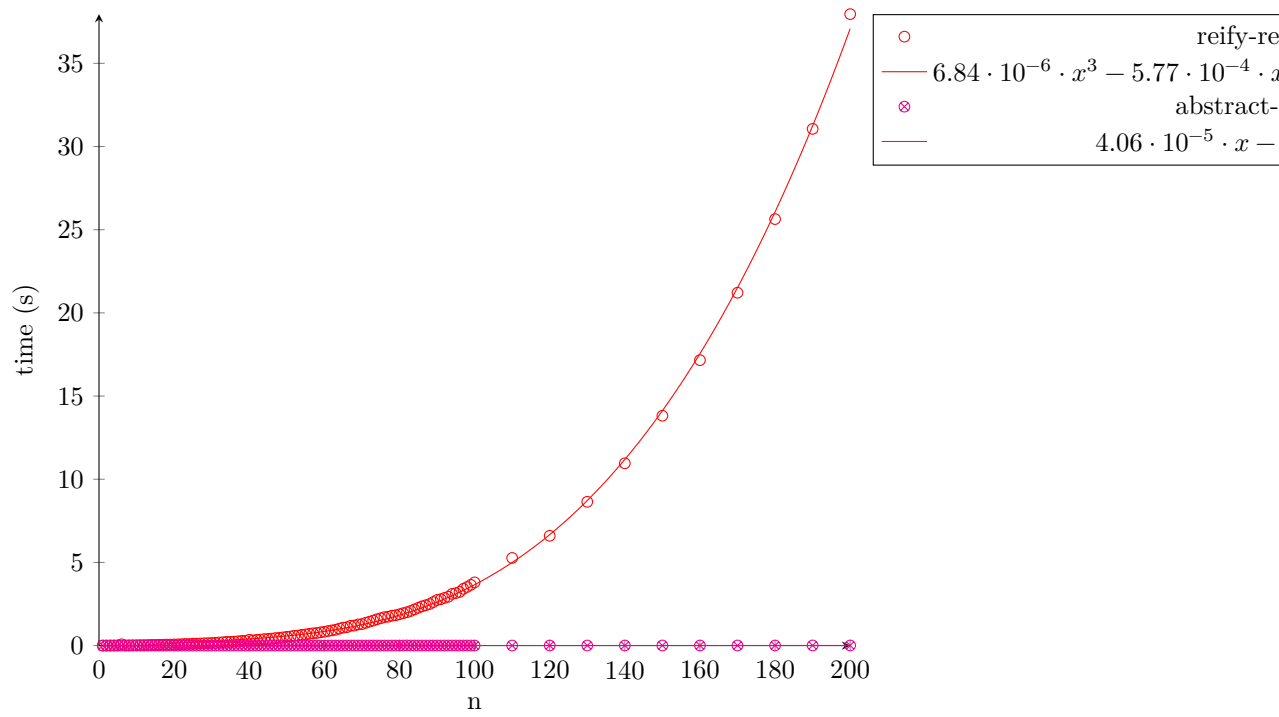Figure 12: timing-rewrite-repeated-app-fast-rewrite-no-abstract

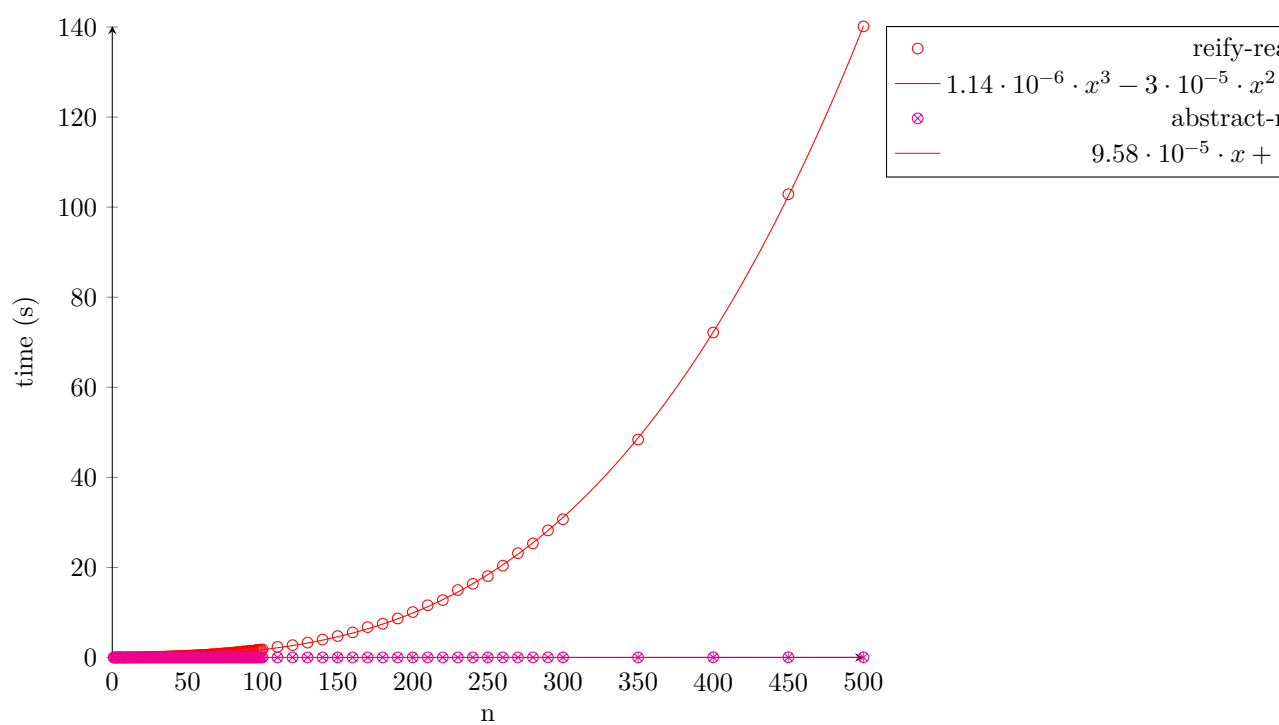Figure 13: timing-typeclass-reification-let-in-HOAS
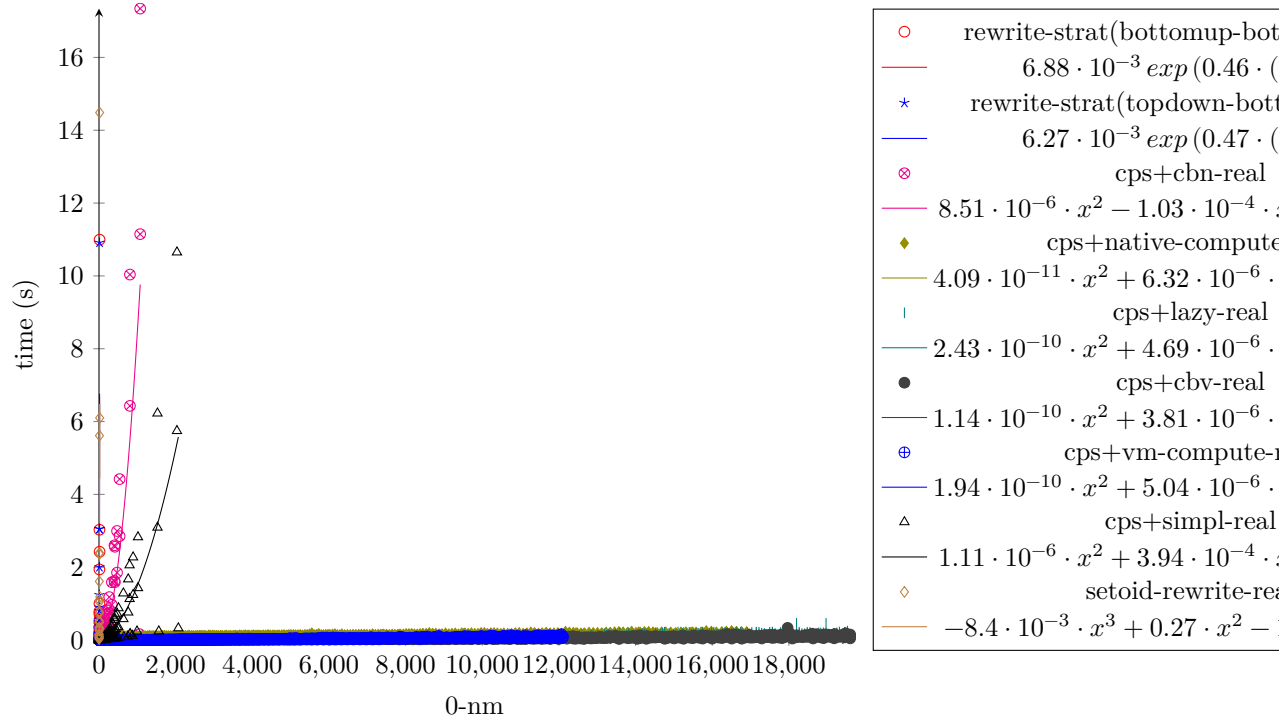
Figure 14: timing-typeclass-reification-let-in-PHOAS

Figure 15: timing-rewrite-lift-lets-map param-1-n 1, param-2-m 1
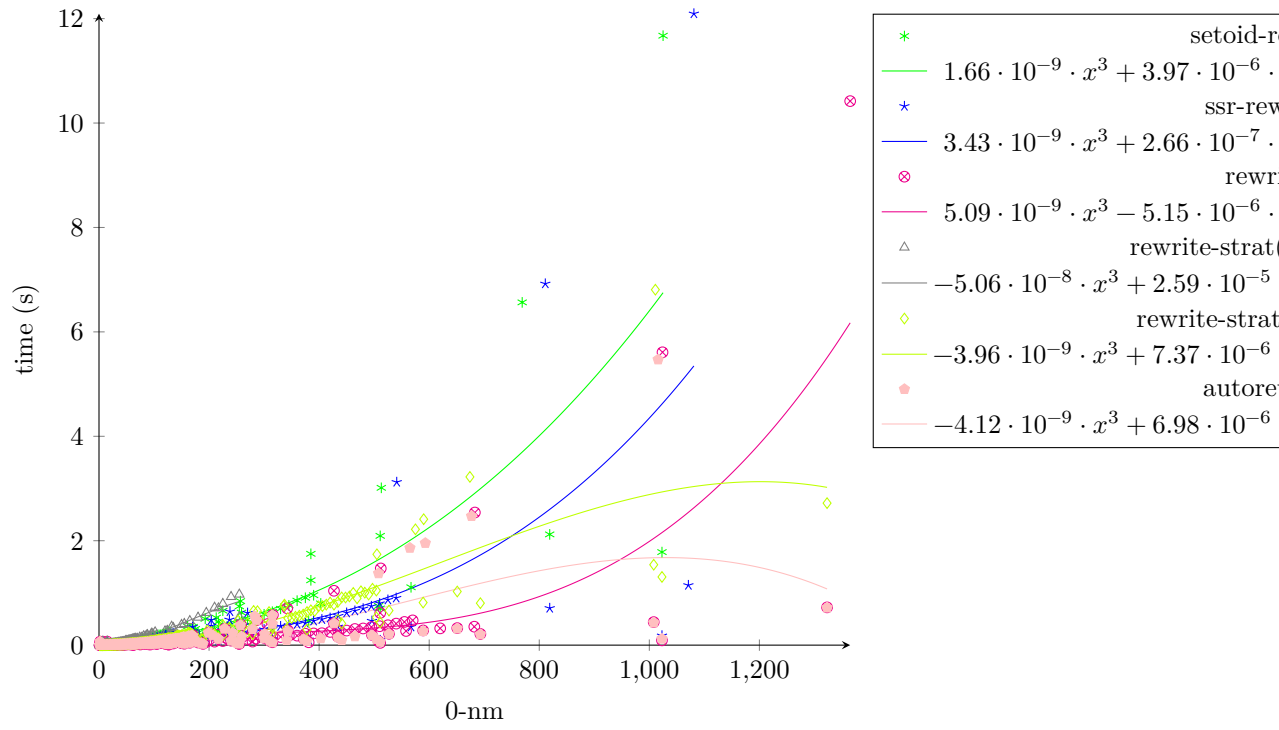
Figure 16: timing-rewrite-plus-0-tree param-1-n　0, param-2-m　1, param-3-input-size　5, param-4-output-size　3, param-5-num-rewrites　1
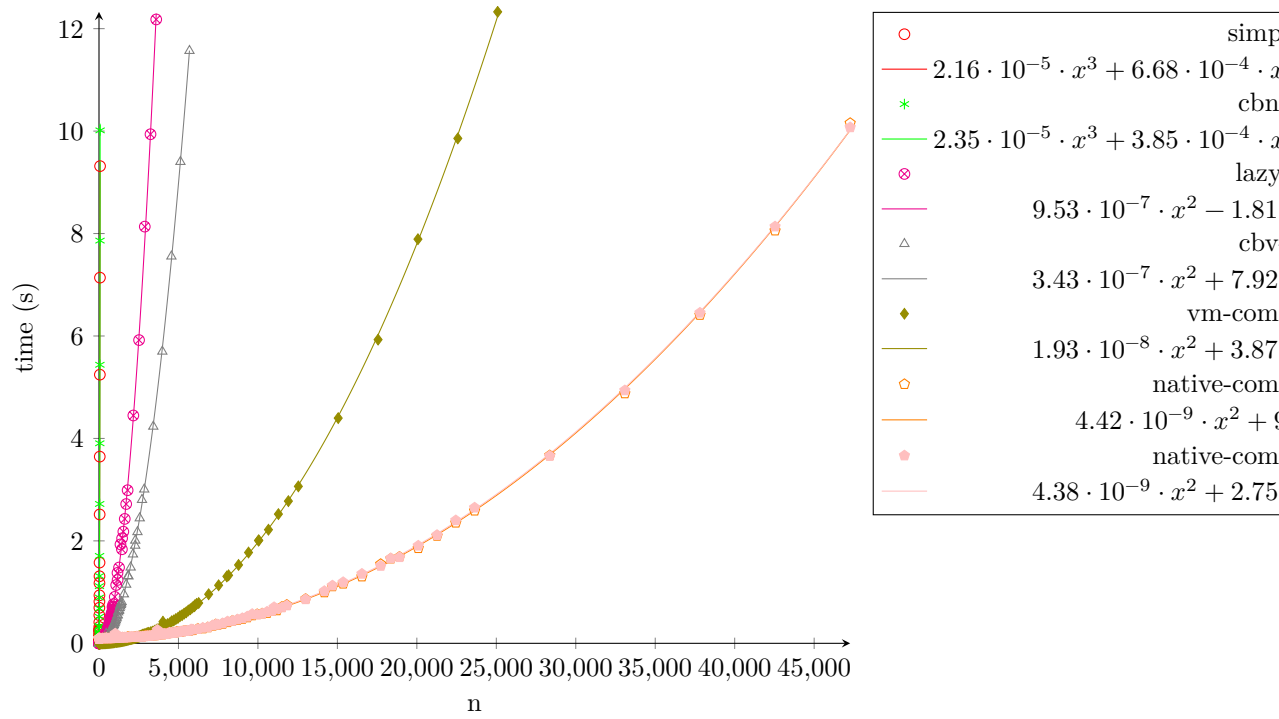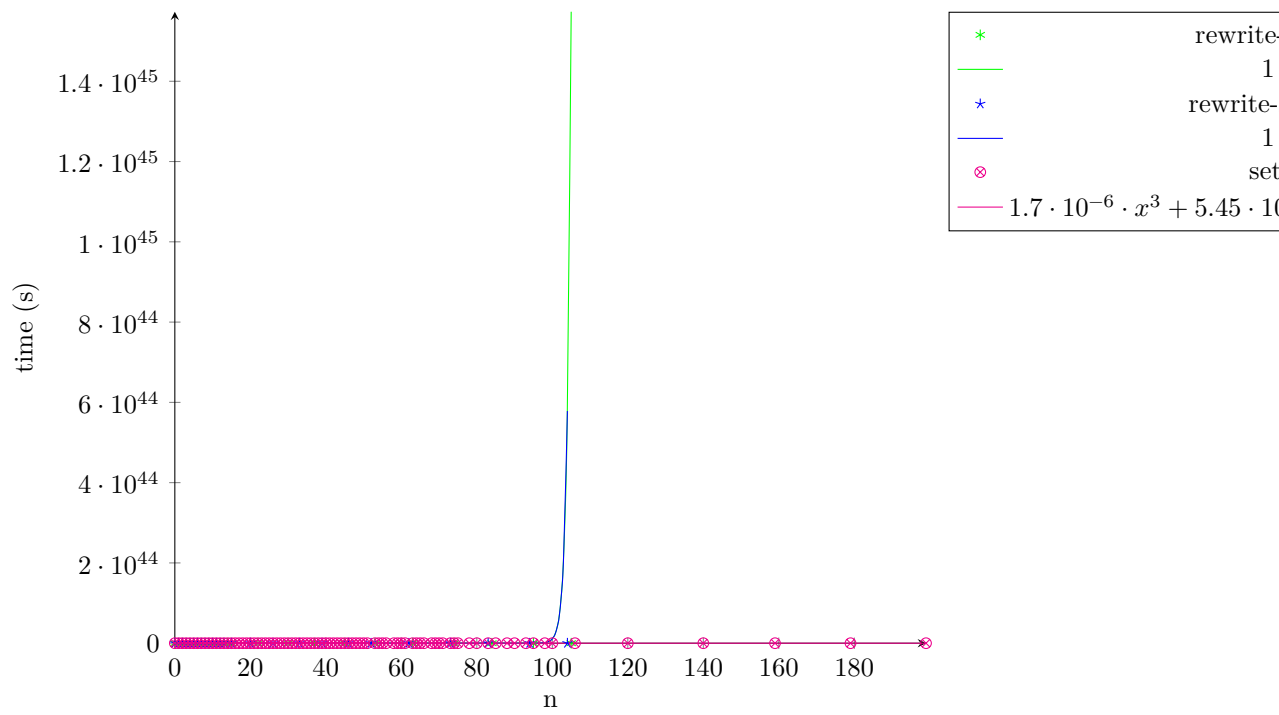
Figure 17: timing-sieve-of-eratosthenes

Figure 18: timing-rewrite-under-lets-plus-0