

Figure 1: Benchmark result of `sort xs` in OCaml, where `sort` is `List.stable_sort` compare or an extracted sorting function applied to `(<=)`, and `xs` is a list of random natural numbers of type `int`.

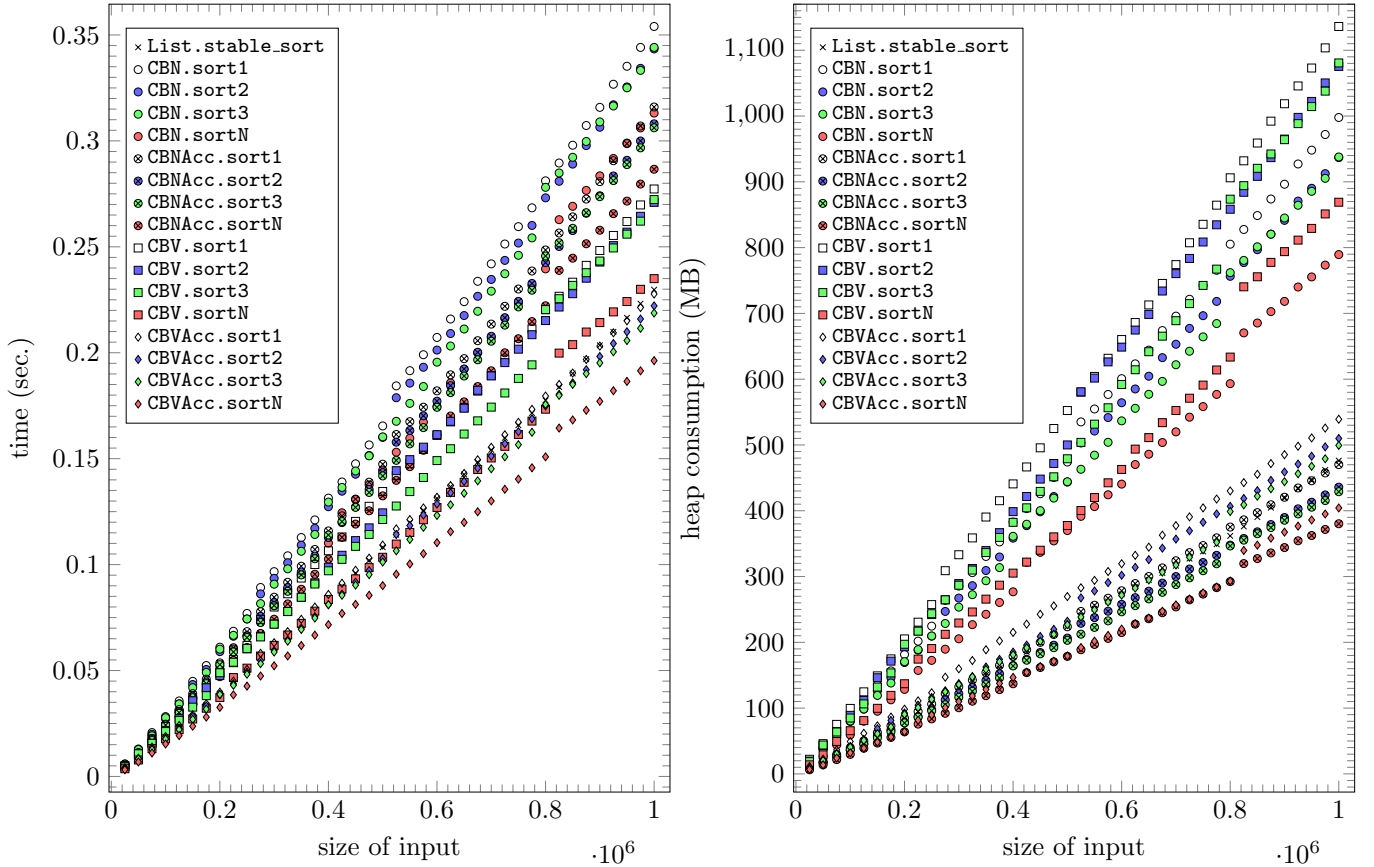


Figure 2: Benchmark result of `sort xs` in OCaml, where `sort` is `List.stable_sort` compare or an extracted sorting function applied to `(<=)`, and `xs` is a list of random natural numbers of type `int` but its every block of length 50 is sorted in ascending order.

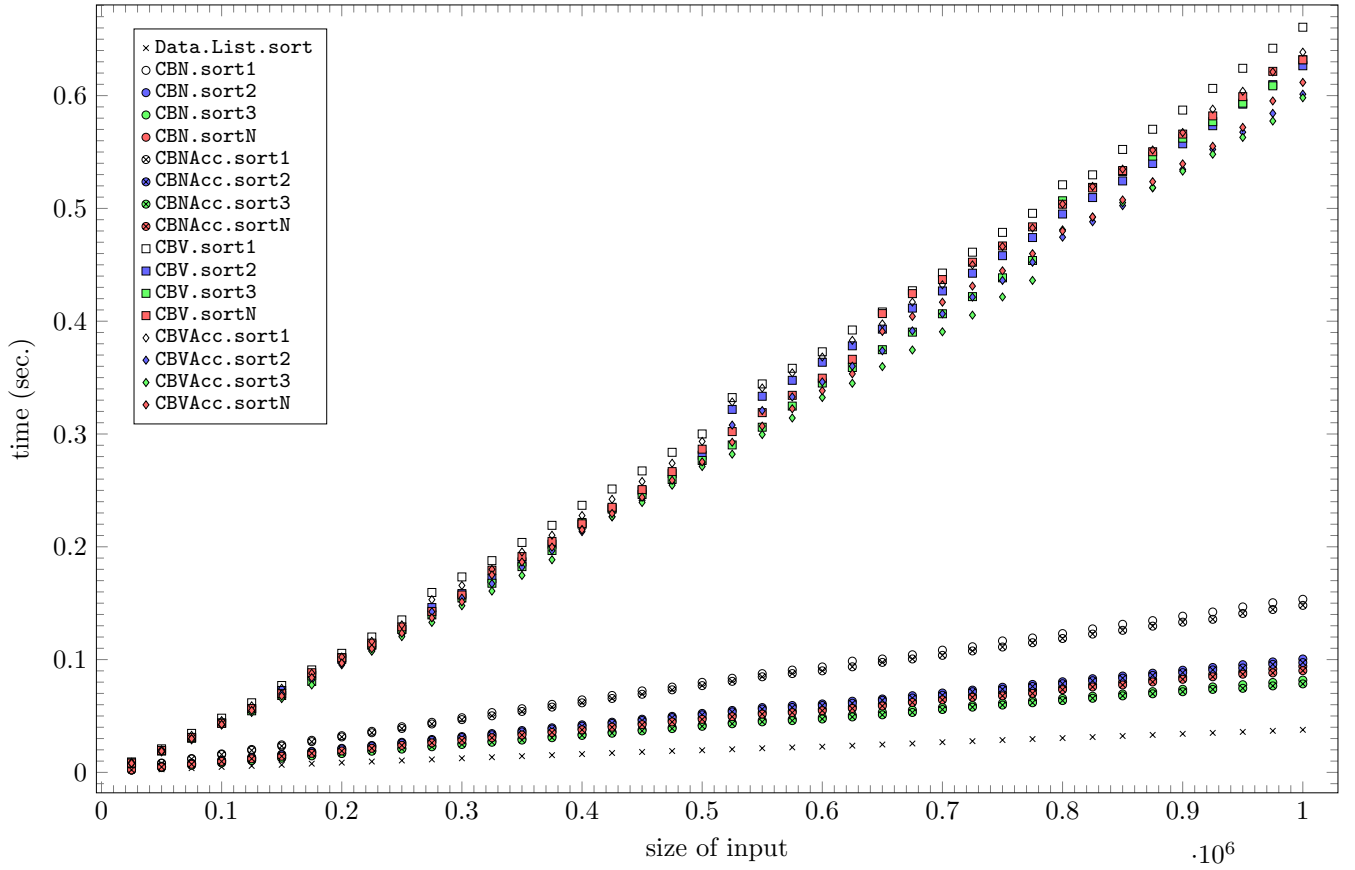


Figure 3: Benchmark result of `sorted (take 1000 (sort xs))` in Haskell, where `sort` is `Data.List.sort` or an extracted sorting function applied to `(<=)`, and `xs` is a list of random natural numbers of type `Int`.

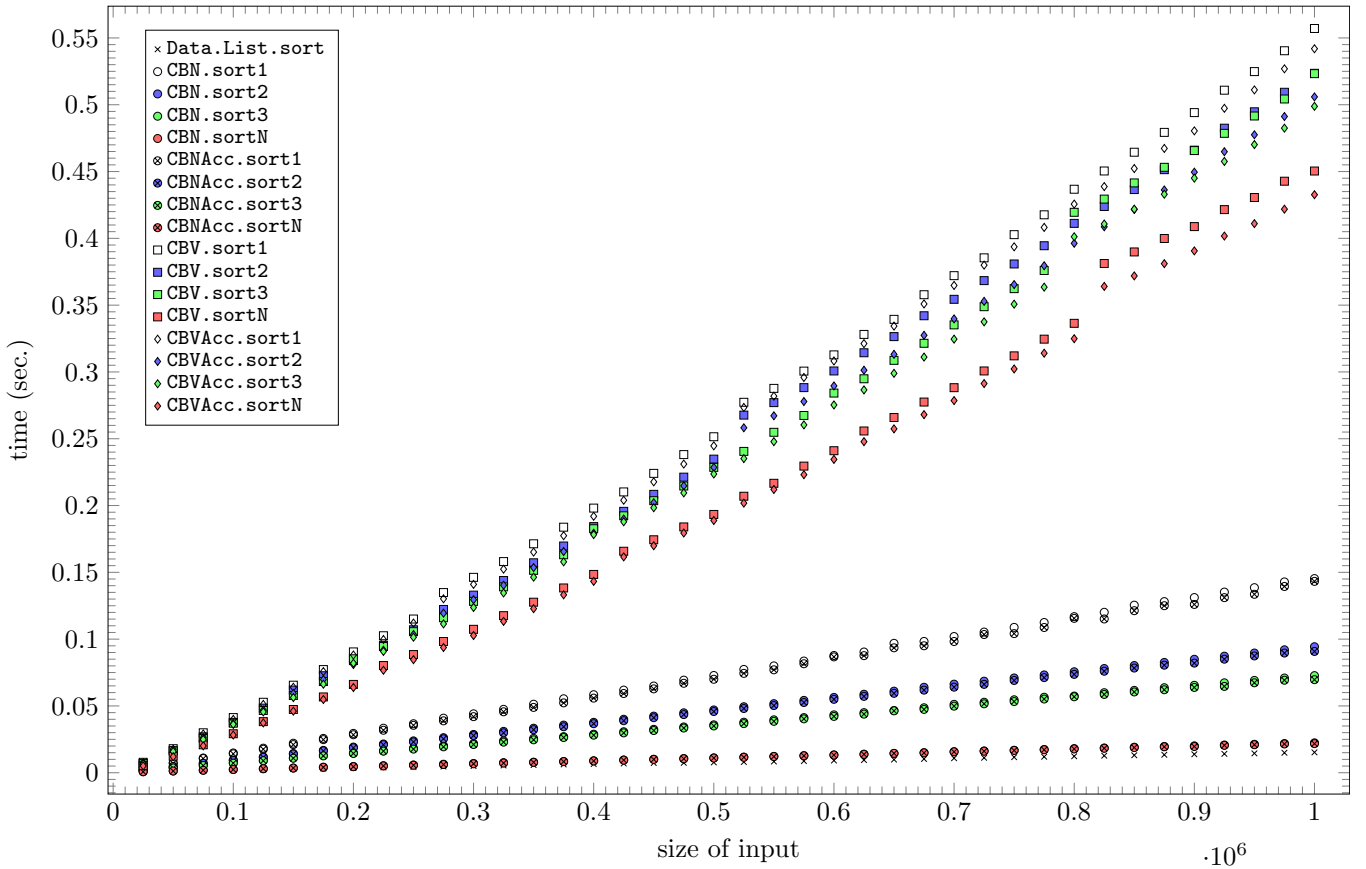


Figure 4: Benchmark result of `sorted (take 1000 (sort xs))` in Haskell, where `sort` is `Data.List.sort` or an extracted sorting function applied to `(<=)`, and `xs` is a list of random natural numbers of type `Int` but its every block of length 50 is sorted in ascending order.

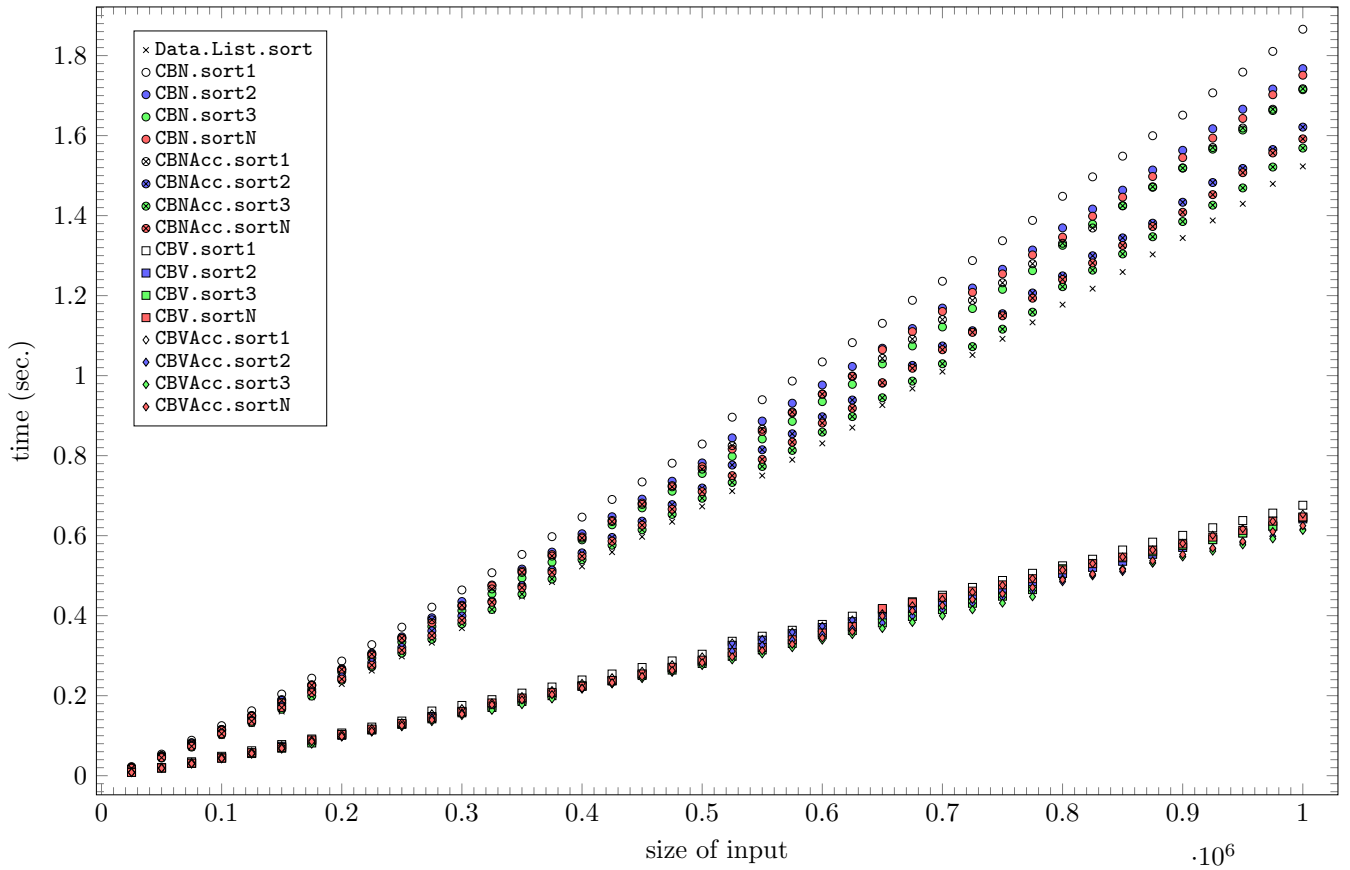


Figure 5: Benchmark result of `sorted (sort xs)` in Haskell, where `sort` is `Data.List.sort` or an extracted sorting function applied to `(<=)`, and `xs` is a list of random natural numbers of type `Int`.

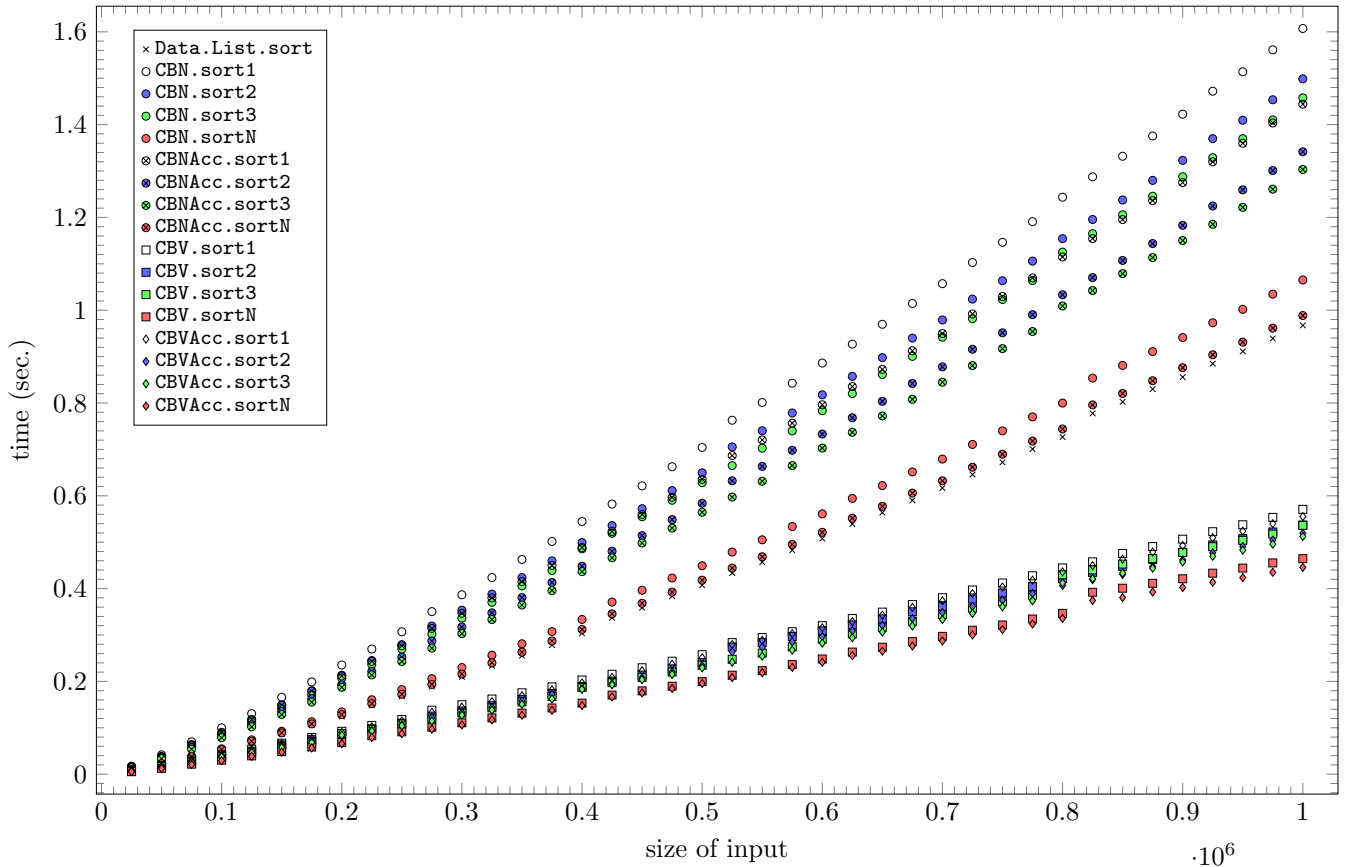


Figure 6: Benchmark result of `sorted (sort xs)` in Haskell, where `sort` is `Data.List.sort` or an extracted sorting function applied to `(<=)`, and `xs` is a list of random natural numbers of type `Int` but its every block of length 50 is sorted in ascending order.

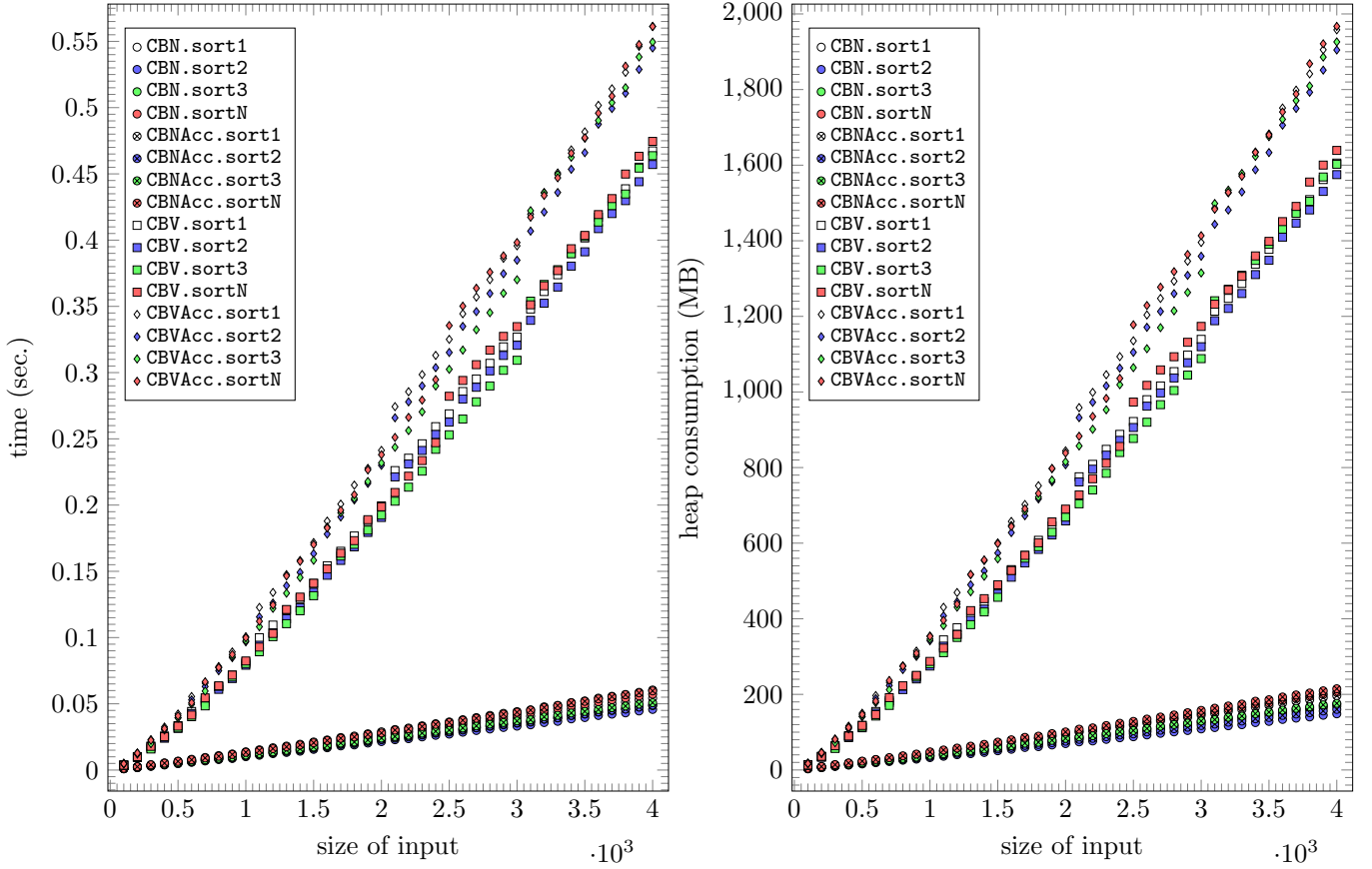


Figure 7: Benchmark result of sorted N.leb (**take 10 (sort N.leb xs)**) with lazy, where *sort* is a sorting function, and *xs* is a list of random natural numbers of type N.

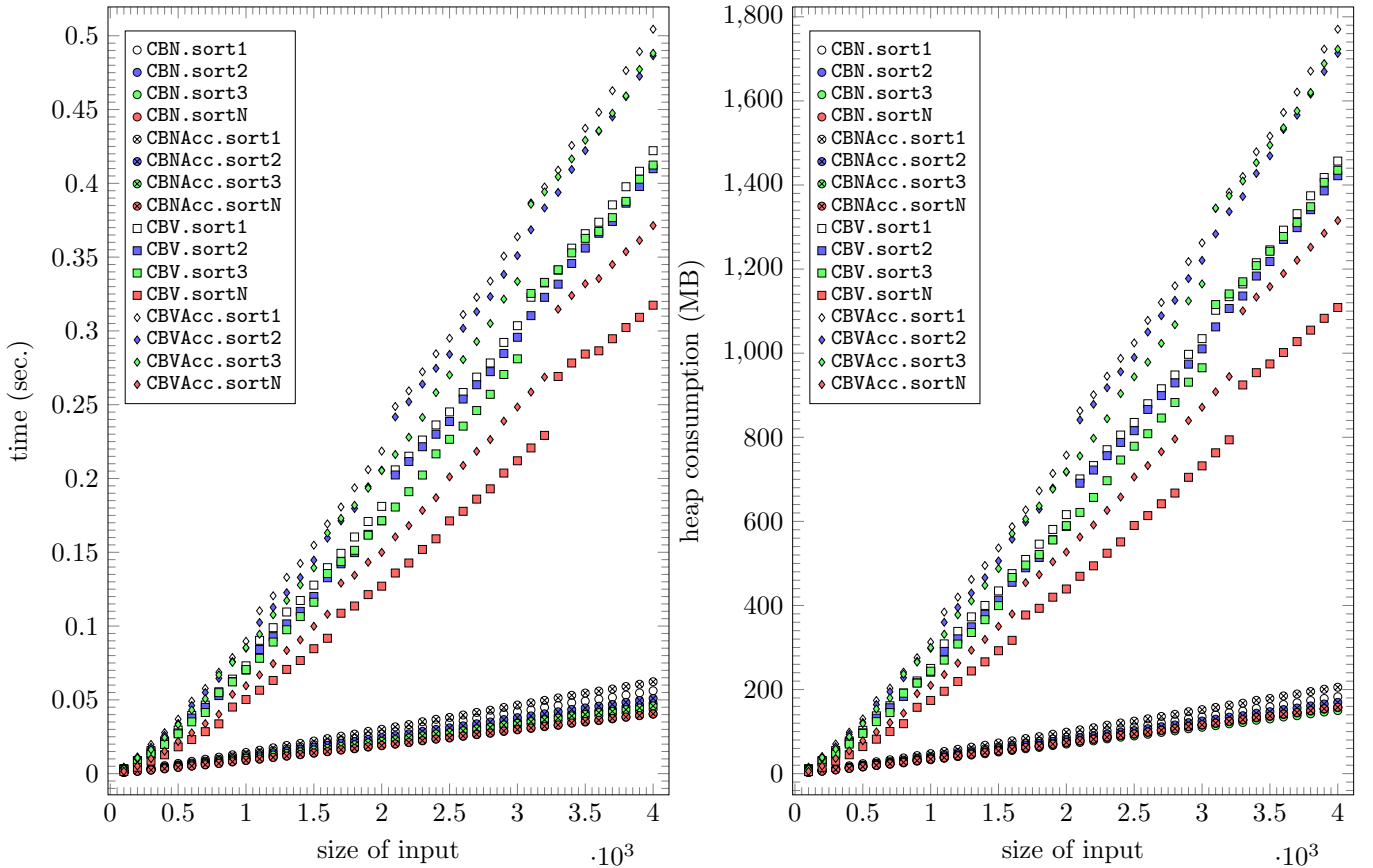


Figure 8: Benchmark result of sorted N.leb (**take 10 (sort N.leb xs)**) with lazy, where *sort* is a sorting function, and *xs* is a list of random natural numbers of type N but its every block of length 50 is sorted in ascending order.

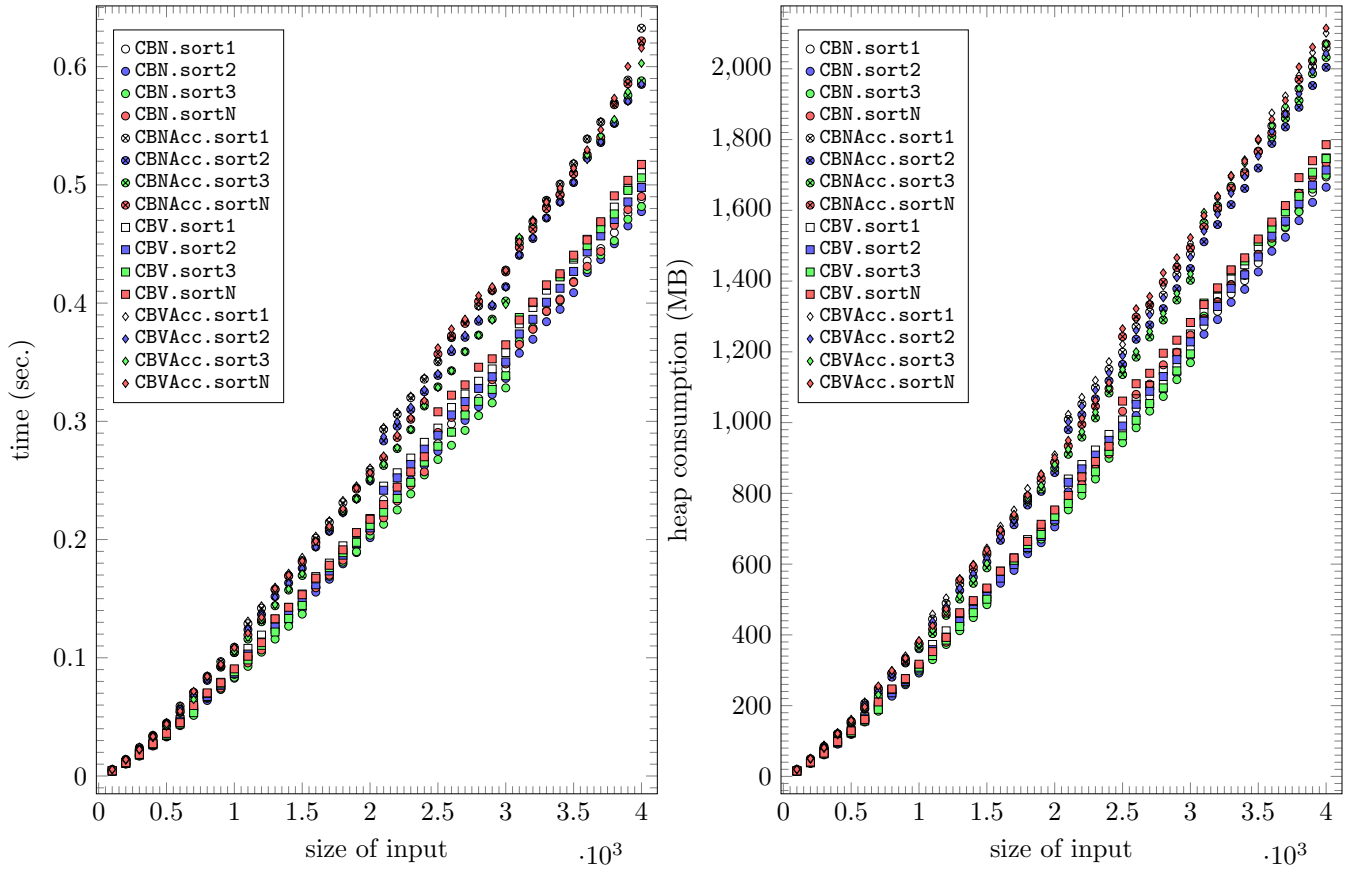


Figure 9: Benchmark result of `sorted N.leb (sort N.leb xs)` with `lazy`, where `sort` is a sorting function, and `xs` is a list of random natural numbers of type `N`.

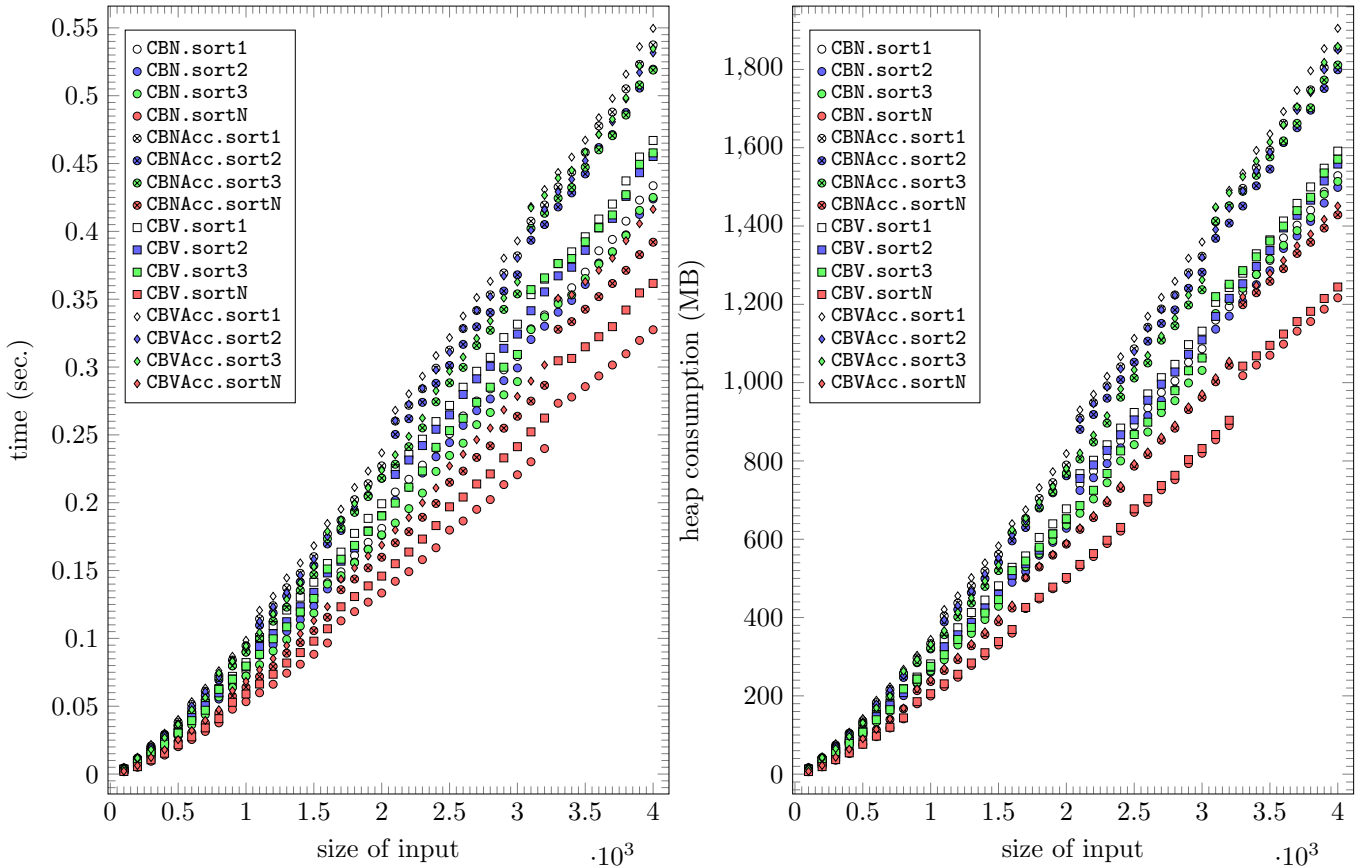


Figure 10: Benchmark result of `sorted N.leb (sort N.leb xs)` with `lazy`, where `sort` is a sorting function, and `xs` is a list of random natural numbers of type `N` but its every block of length 50 is sorted in ascending order.

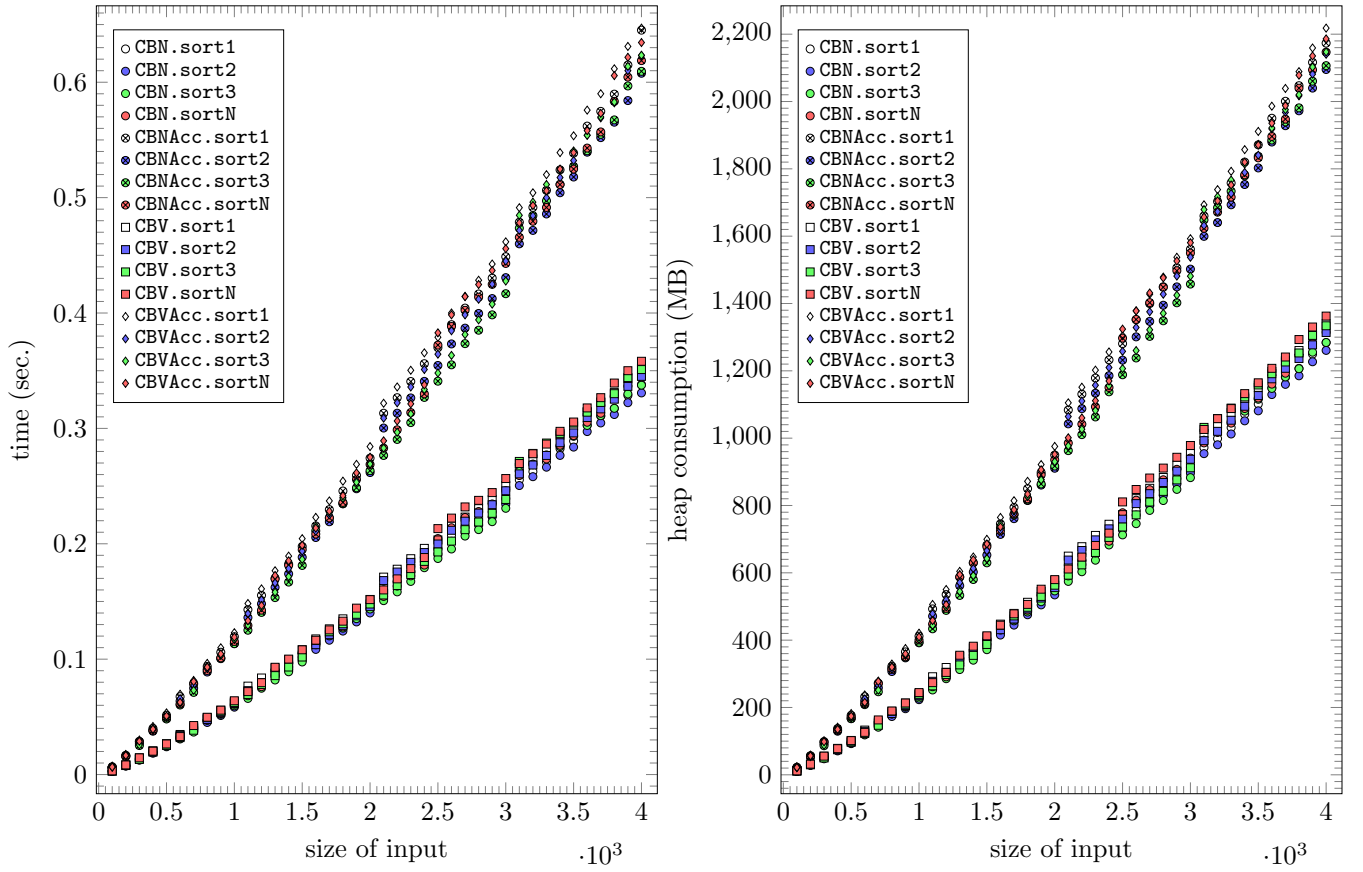


Figure 11: Benchmark result of `sorted N.leb (sort N.leb xs)` with `compute`, where `sort` is a sorting function, and `xs` is a list of random natural numbers of type `N`.

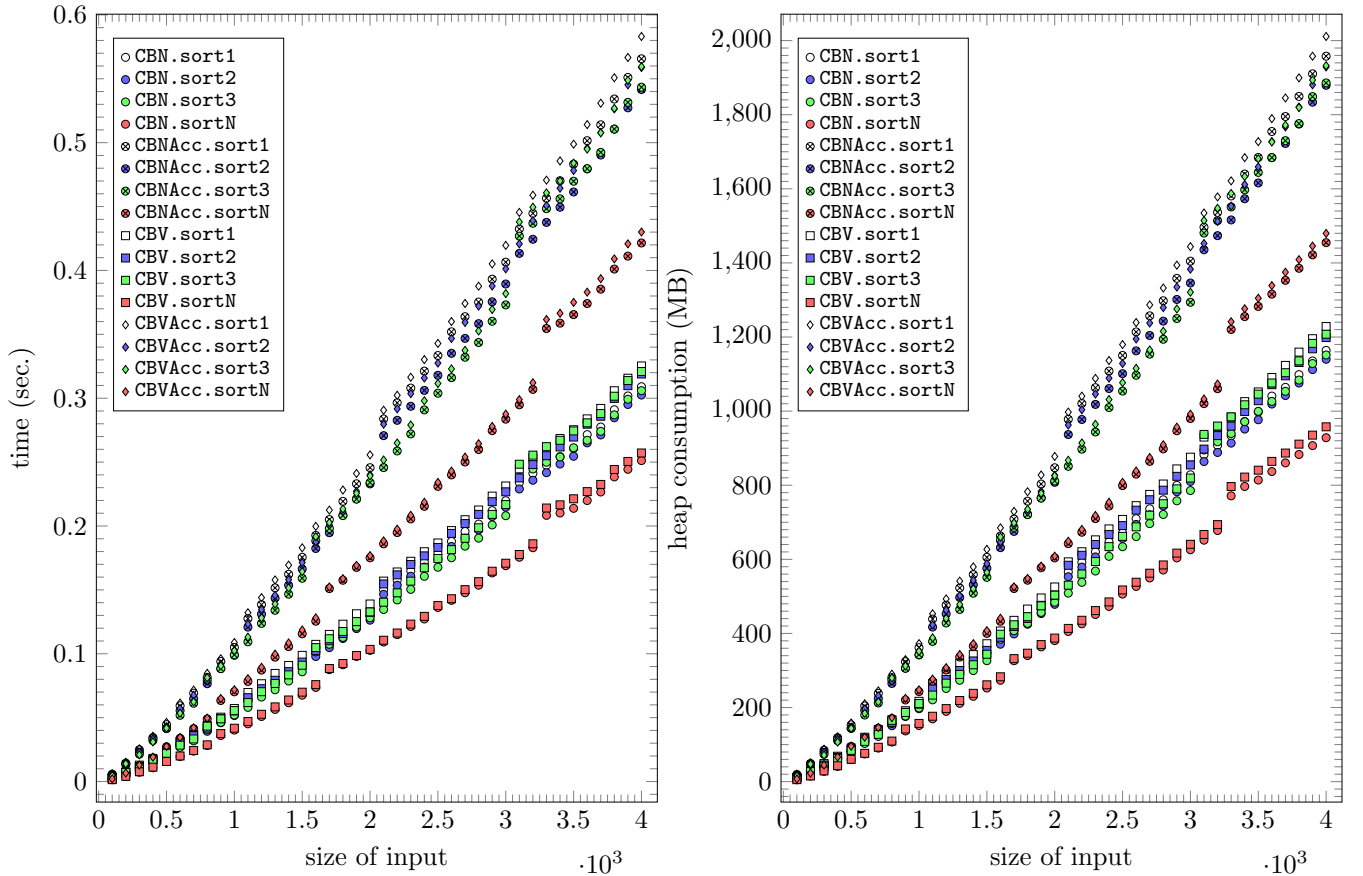


Figure 12: Benchmark result of `sorted N.leb (sort N.leb xs)` with `compute`, where `sort` is a sorting function, and `xs` is a list of random natural numbers of type `N` but its every block of length 50 is sorted in ascending order.

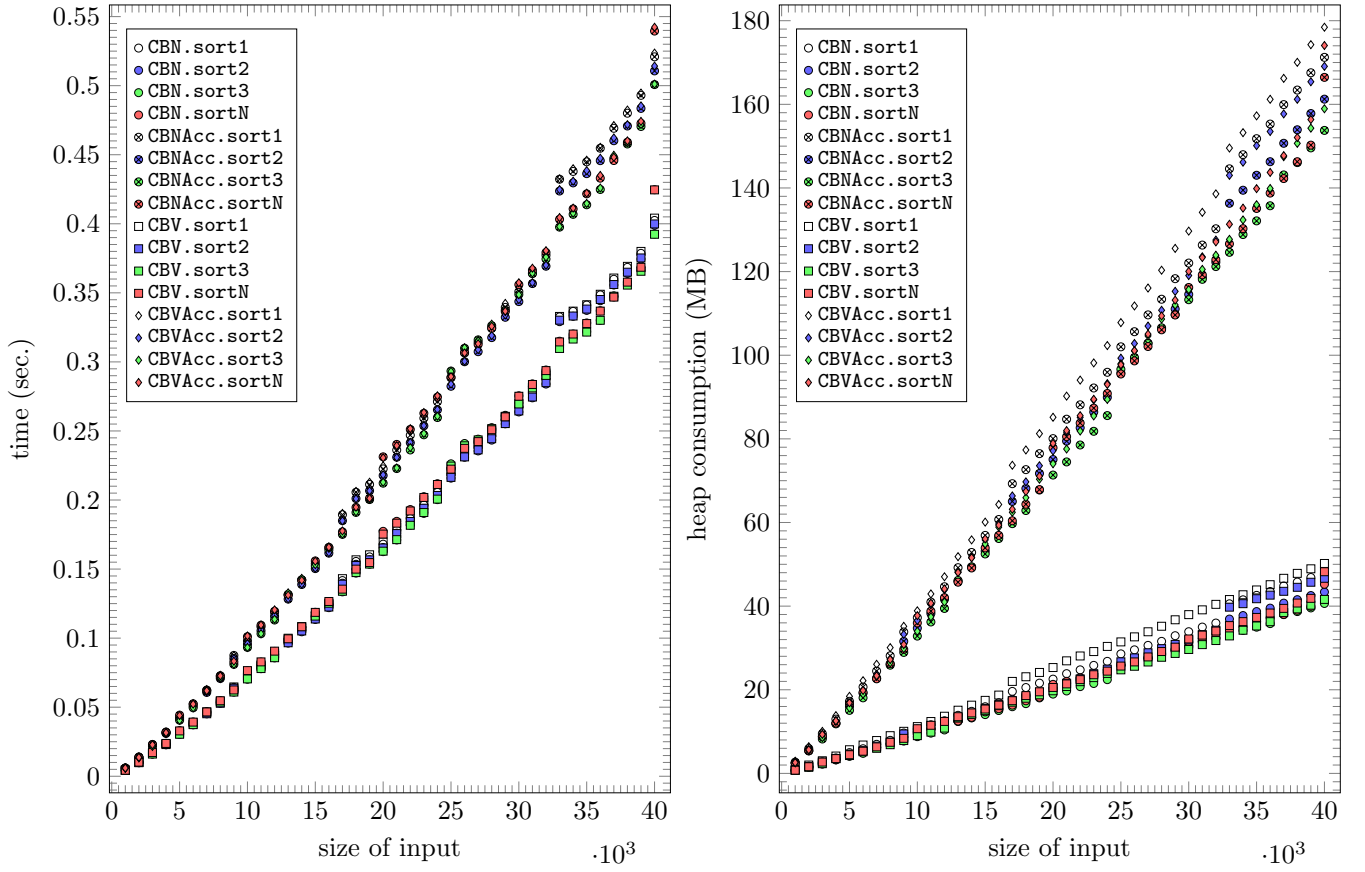


Figure 13: Benchmark result of `sorted N.leb xs` with `vm_compute`, where `sort` is a sorting function, and `xs` is a list of random natural numbers of type `N`.

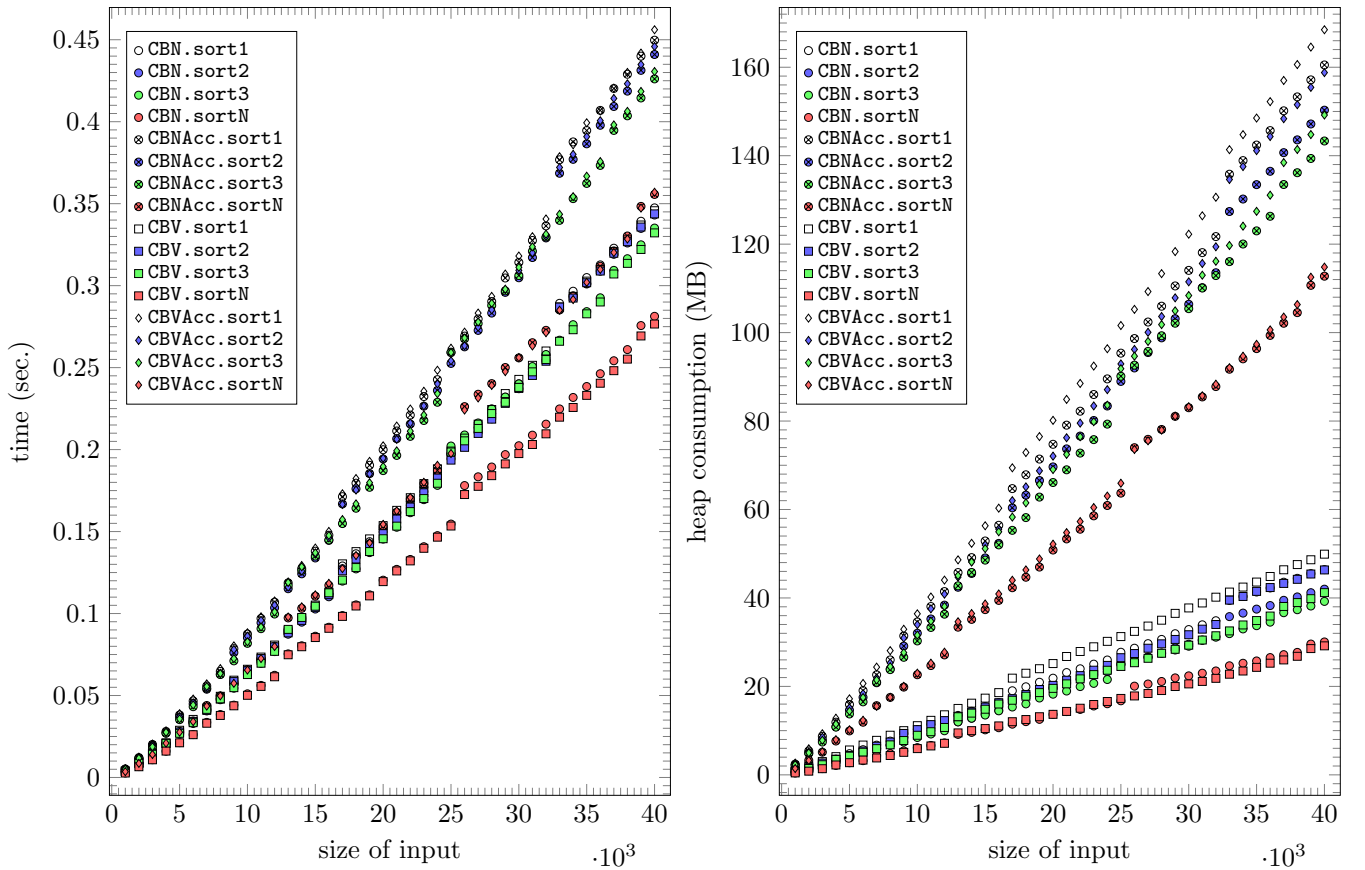


Figure 14: Benchmark result of `sorted N.leb xs` with `vm_compute`, where `sort` is a sorting function, and `xs` is a list of random natural numbers of type `N` but its every block of length 50 is sorted in ascending order.

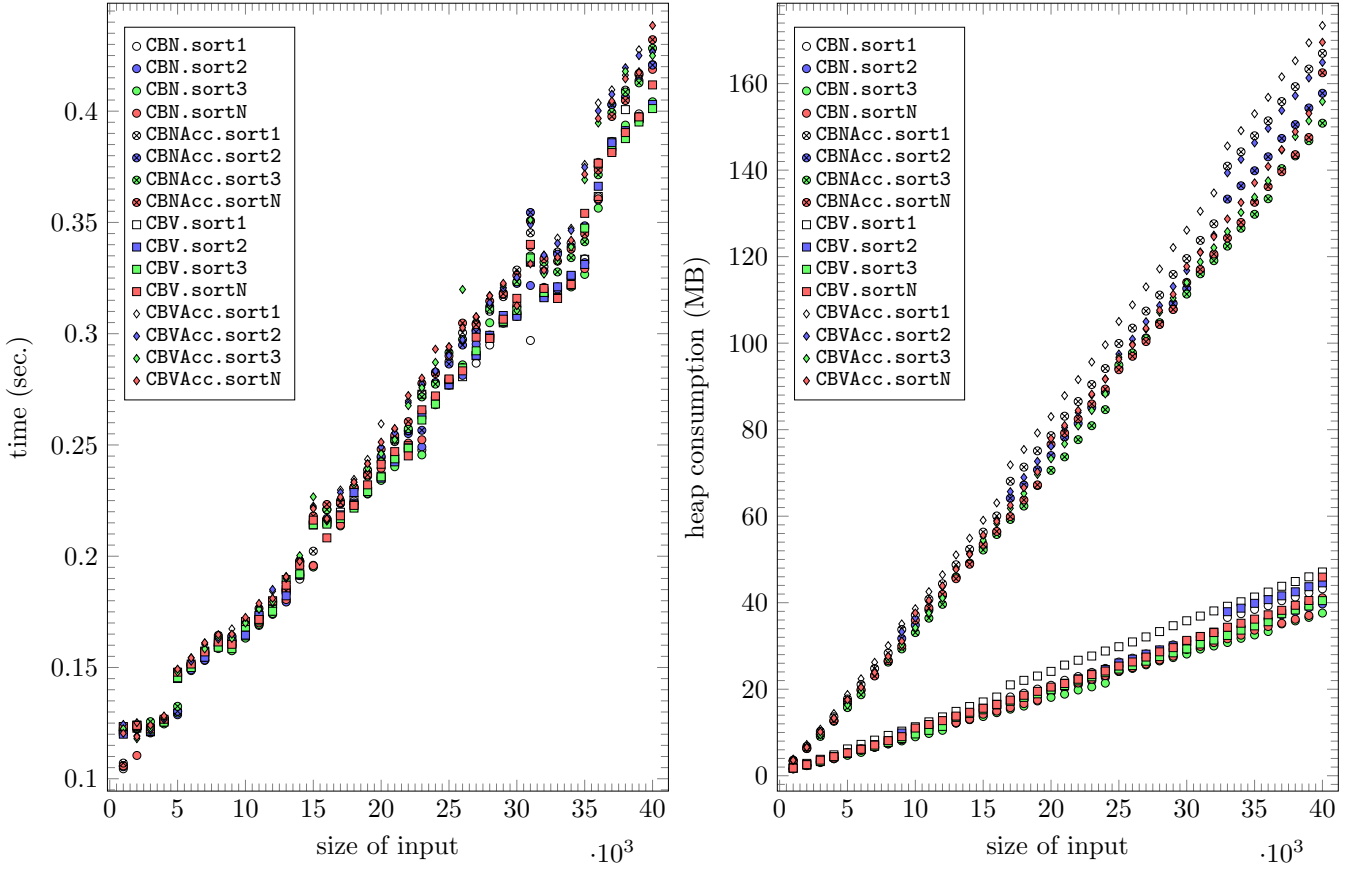


Figure 15: Benchmark result of `sorted N.leb (sort N.leb xs)` with `native_compute`, where `sort` is a sorting function, and `xs` is a list of random natural numbers of type `N`.

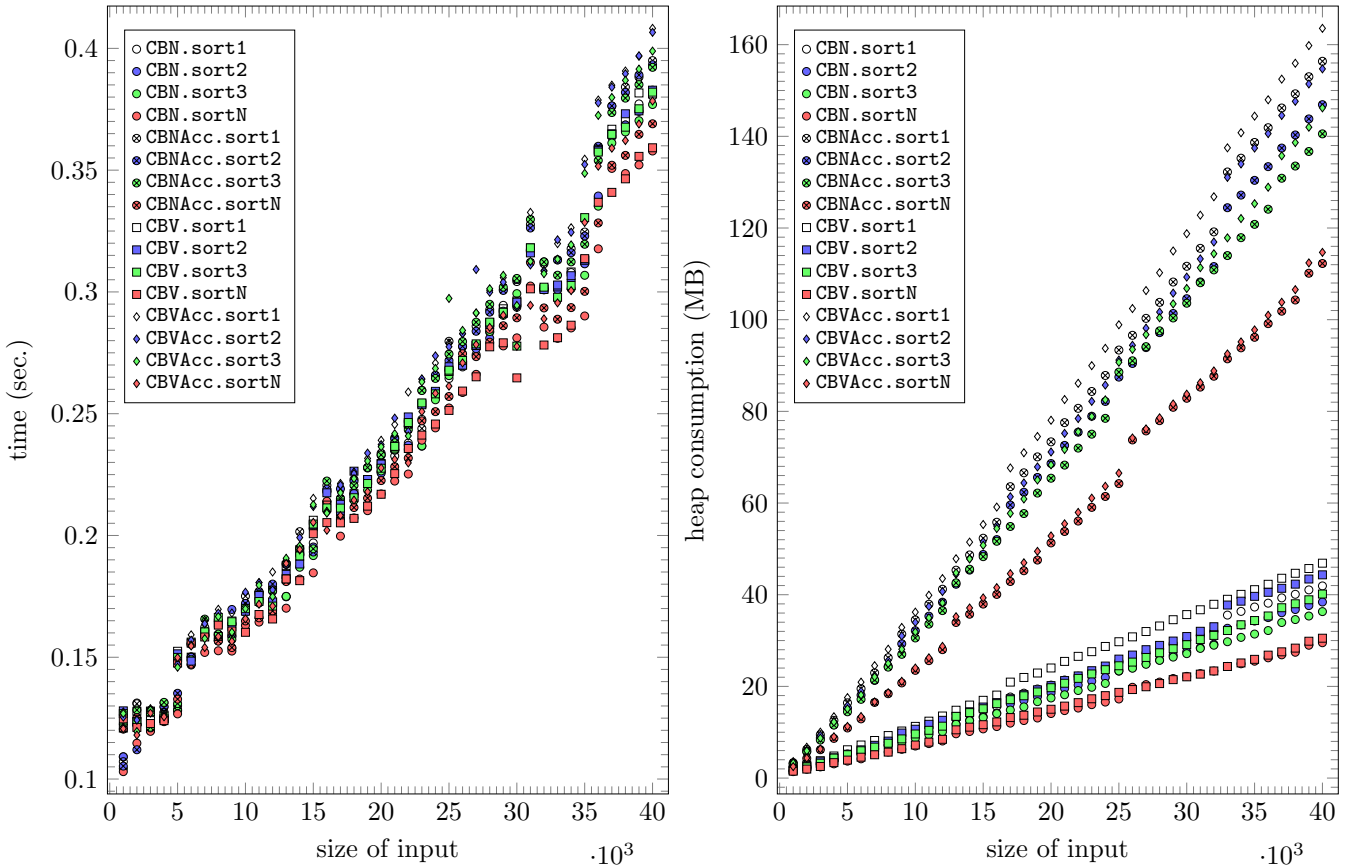


Figure 16: Benchmark result of `sorted N.leb (sort N.leb xs)` with `native_compute`, where `sort` is a sorting function, and `xs` is a list of random natural numbers of type `N` but its every block of length 50 is sorted in ascending order.