Comparison of Two Prime Number Sieves

1. Sieve of Atkin
2. Sieve of Eratosthenes

I am comparing two different variants of each algorithm that utilize different data structures:

1. A Standard Template Library (STL) Boolean vector data structure
2. A 32-bit vector data structure

```
== Menu ==
1 Test prime number generation
2 Create runtimes table
3 Exit
Enter an option: 1
limit = 100
 1      2       2       2       2
 2      3       3       3       3
 3      5       5       5       5
 4      7       7       7       7
 5      11      11      11      11
 6      13      13      13      13
 7      17      17      17      17
 8      19      19      19      19
 9      23      23      23      23
10      29      29      29      29
11      31      31      31      31
12      37      37      37      37
13      41      41      41      41
14      43      43      43      43
15      47      47      47      47
16      53      53      53      53
17      59      59      59      59
18      61      61      61      61
19      67      67      67      67
20      71      71      71      71
21      73      73      73      73
22      79      79      79      79
23      83      83      83      83
24      89      89      89      89
25      97      97      97      97
```

```
== Menu ==
1 Test prime number generation
2 Create runtimes table
3 Exit
Enter an option: 2
Runtimes in microseconds:
 Limit      Atkin1      Erato1      Atkin2      Erato2
100000     1338406     1387537        6601        7593
110000     1431594     1476953       11278        9470
120000     1704776     1700595       14001       14974
130000     1823049     1724274        7812        9864
140000     1850093     1929558        8249       10869
150000     1997887     2075019        8920       11502
160000     2163837     2396104        9367       12137
170000     2317328     2335828       10000       13158
180000     2358257     2483047       10754       13685
190000     2499330     2597823       11112       14435
200000     2624630     3534236       22718       24603
210000     4502983     3764585       19432       22719
220000     3417427     3048769       15509       19450
230000     3040839     3168904       20567       17628
240000     3162954     3488801       15265       24422
250000     3409537     3287100       14875       18822
```