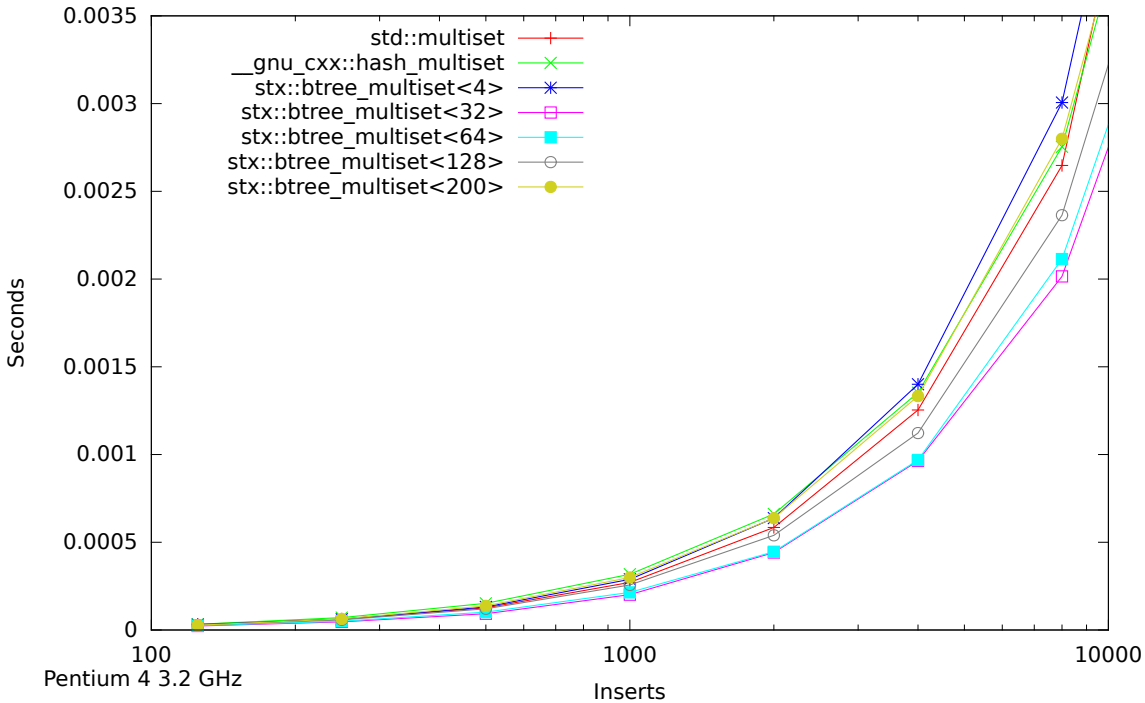Speed Test Multiset - Absolute Time - Insertion Only (125-8000 Items)

Seconds

- std::multiset
- __gnu_cxx::hash_multiset
- stx::btree_multiset<4>
- stx::btree_multiset<32>
- stx::btree_multiset<64>
- stx::btree_multiset<128>
- stx::btree_multiset<200>

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Inserts

Speed Test Multiset - Absolute Time - Insertion Only (16000-4096000 Items)

- std::multiset
- __gnu_cxx::hash_multiset
- stx::btree_multiset<4>
- stx::btree_multiset<32>
- stx::btree_multiset<64>
- stx::btree_multiset<128>
- stx::btree_multiset<200>

Seconds

Inserts

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Speed Test Multiset - Normalized Time - Insertion Only (125-4096000 Items)

Legend:
- std::multiset
- __gnu_cxx::hash_multiset
- stx::btree_multiset<4>
- stx::btree_multiset<32>
- stx::btree_multiset<64>
- stx::btree_multiset<128>
- stx::btree_multiset<200>

Y-axis: Microseconds / Insert
X-axis: Inserts

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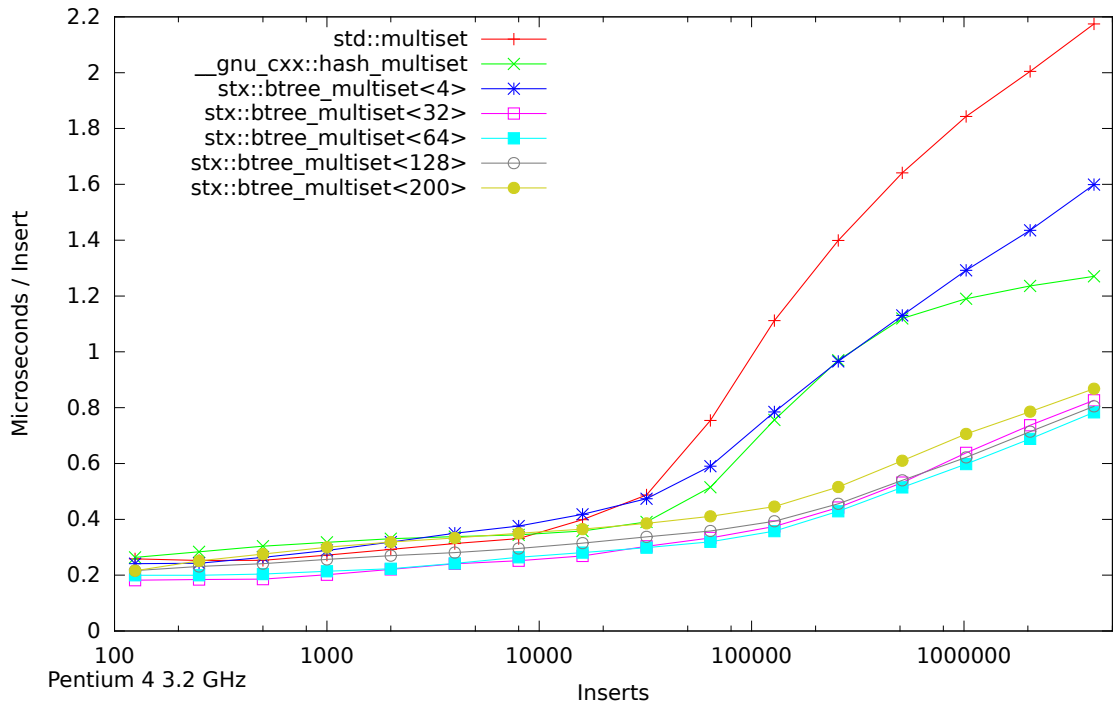
Speed Test - Finding the Best Slot Size - Insertion Only - Plotted by Leaf/Inner Slots in B+ Tree

Legend:
- 1024000 Inserts
- 2048000 Inserts
- 4096000 Inserts

Y-axis: Seconds

X-axis: Leaf/Inner Slots

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Speed Test Multiset - Insert/Find/Erase (125-8000 Items)

- std::multiset
- __gnu_cxx::hash_multiset
- stx::btree_multiset<4>
- stx::btree_multiset<32>
- stx::btree_multiset<64>
- stx::btree_multiset<128>
- stx::btree_multiset<200>

Seconds

Data Pairs

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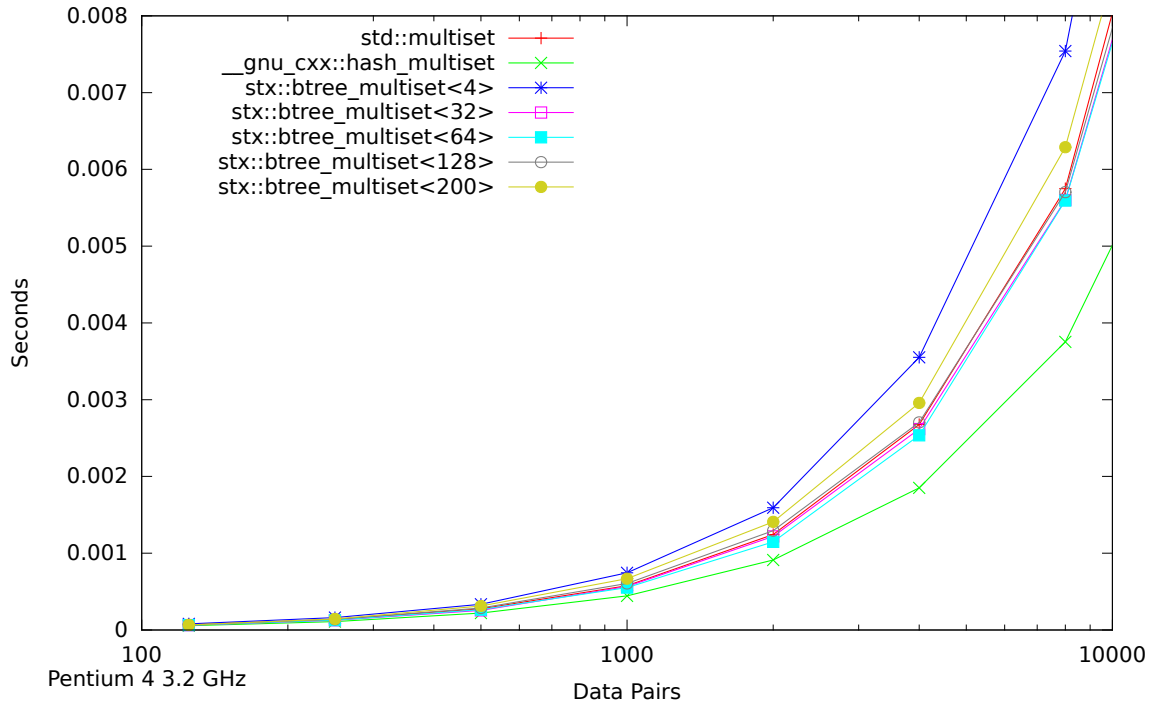
Speed Test Multiset - Insert/Find/Erase (16000-4096000 Items)

Legend:
- std::multiset
- __gnu_cxx::hash_multiset
- stx::btree_multiset<4>
- stx::btree_multiset<32>
- stx::btree_multiset<64>
- stx::btree_multiset<128>
- stx::btree_multiset<200>

Y-axis: Seconds (0 to 25)
X-axis: Data Pairs (10000 to 1000000)

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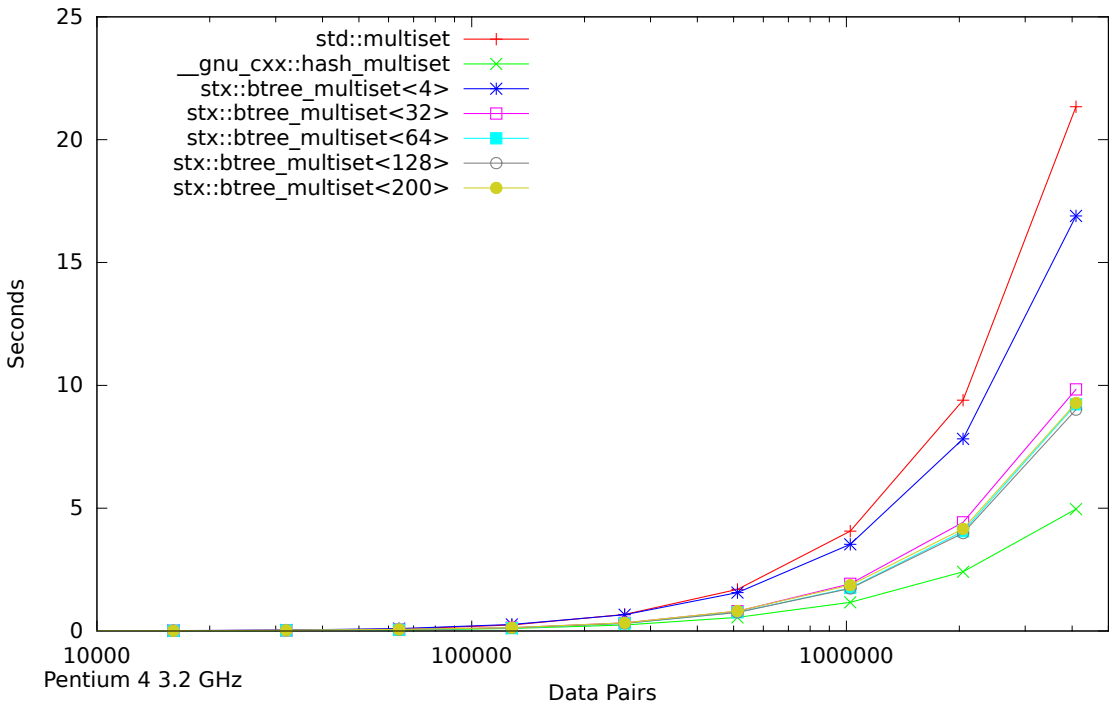
Speed Test Multiset - Normalized Time - Insert/Find/Erase (125-4096000 Items)

Pentium 4 3.2 GHz

Microseconds / Item (y-axis)

Items (x-axis)

Legend:
- std::multiset
- __gnu_cxx::hash_multiset
- stx::btree_multiset<4>
- stx::btree_multiset<32>
- stx::btree_multiset<64>
- stx::btree_multiset<128>
- stx::btree_multiset<200>
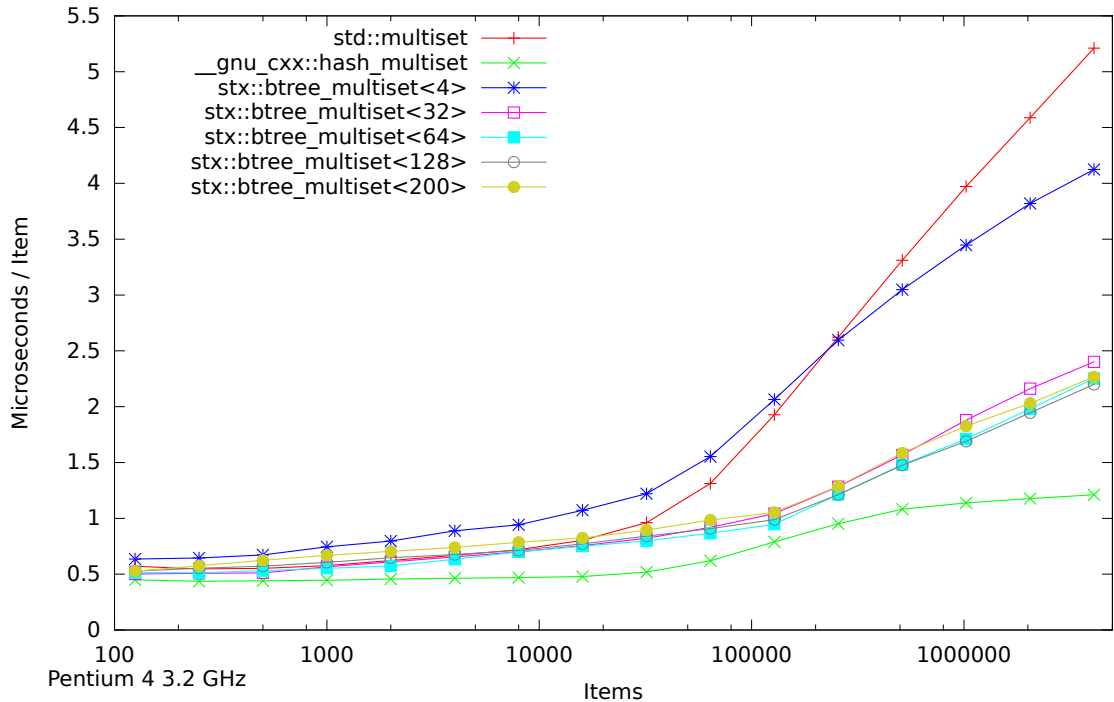
Speed Test - Finding the Best Slot Size - Insert/Find/Erase - Plotted by Leaf/Inner Slots in B+ Tree

Legend:
- 1024000 Data Pairs
- 2048000 Data Pairs
- 4096000 Data Pairs

Y-axis: Seconds
X-axis: Leaf/Inner Slots

Pentium 4 3.2 GHz
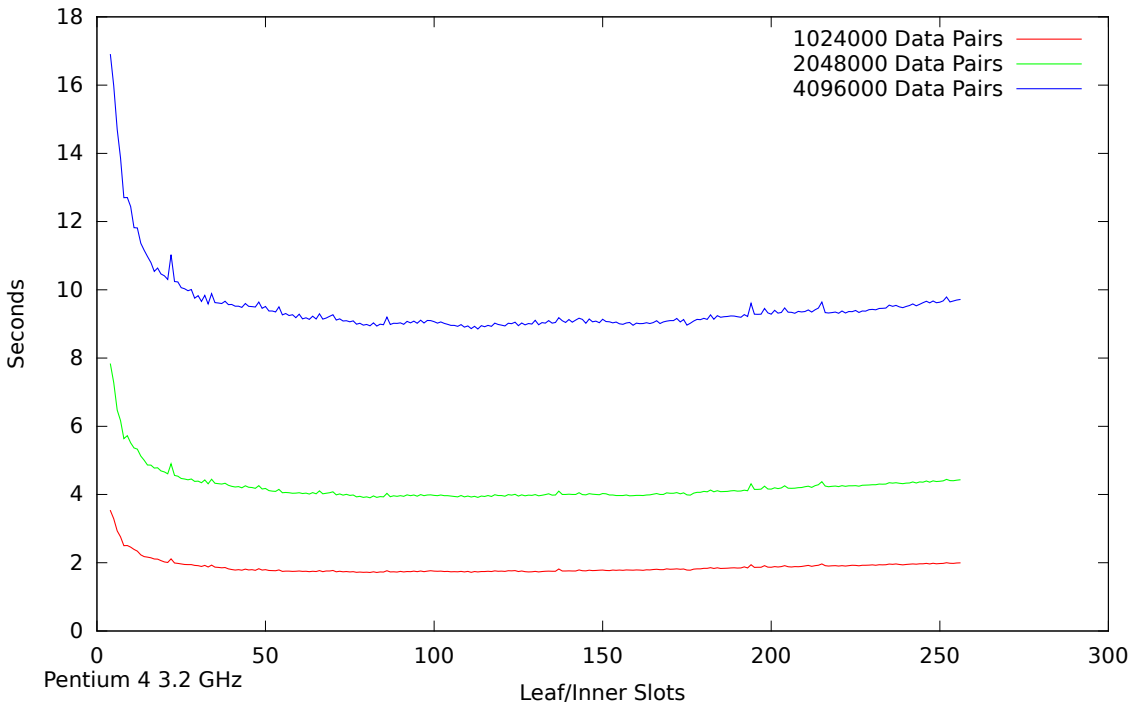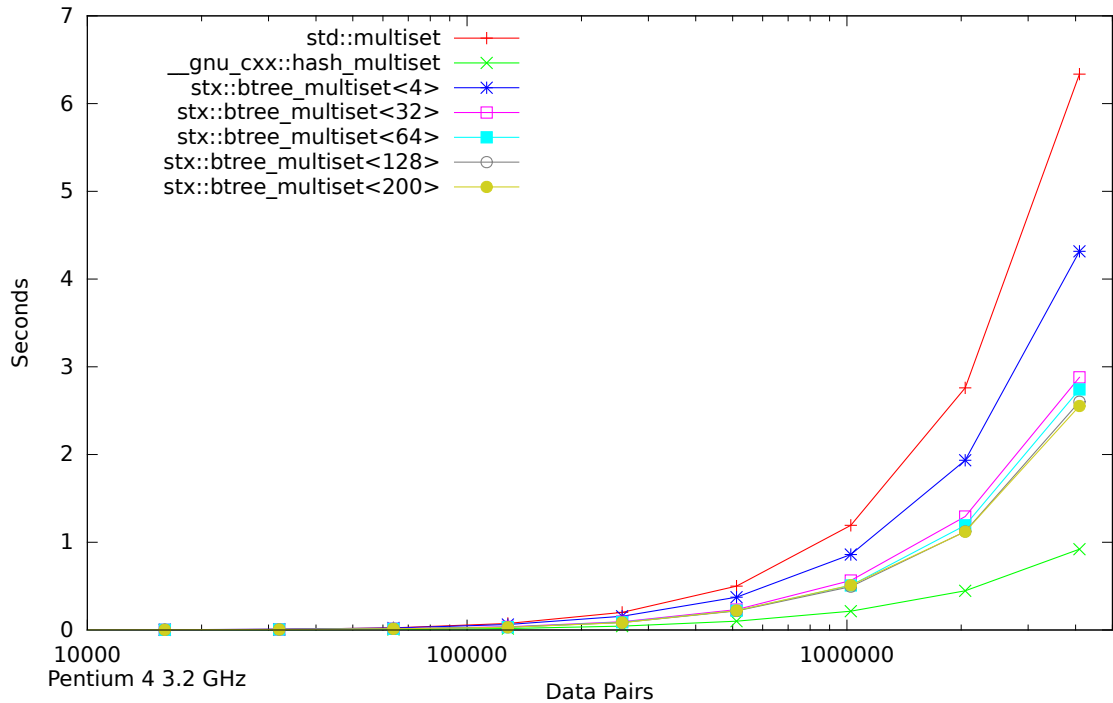
Speed Test Multiset - Find Only (125-8000 Items)
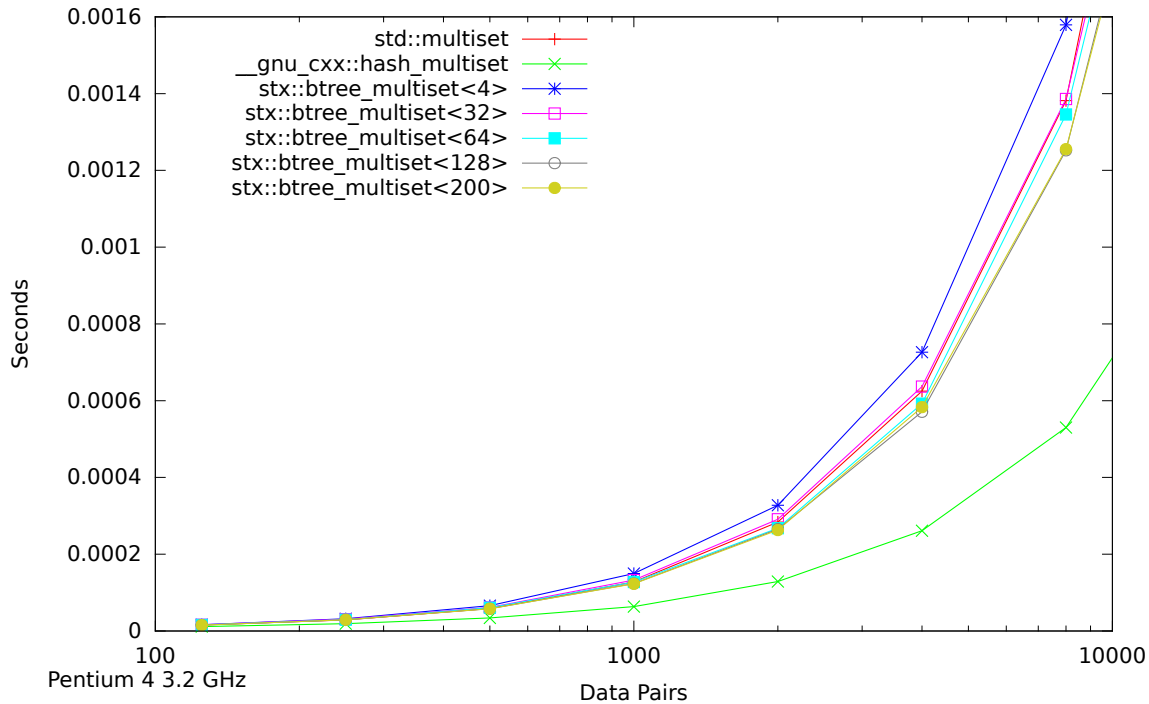
Speed Test Multiset - Find Only (16000-4096000 Items)

Legend:
- std::multiset
- __gnu_cxx::hash_multiset
- stx::btree_multiset<4>
- stx::btree_multiset<32>
- stx::btree_multiset<64>
- stx::btree_multiset<128>
- stx::btree_multiset<200>

Y-axis: Seconds
X-axis: Data Pairs

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Speed Test Multiset - Normalized Time - Find Only (125-4096000 Items)

Speed Test - Finding the Best Slot Size - Find Only - Plotted by Leaf/Inner Slots in B+ Tree

Legend:
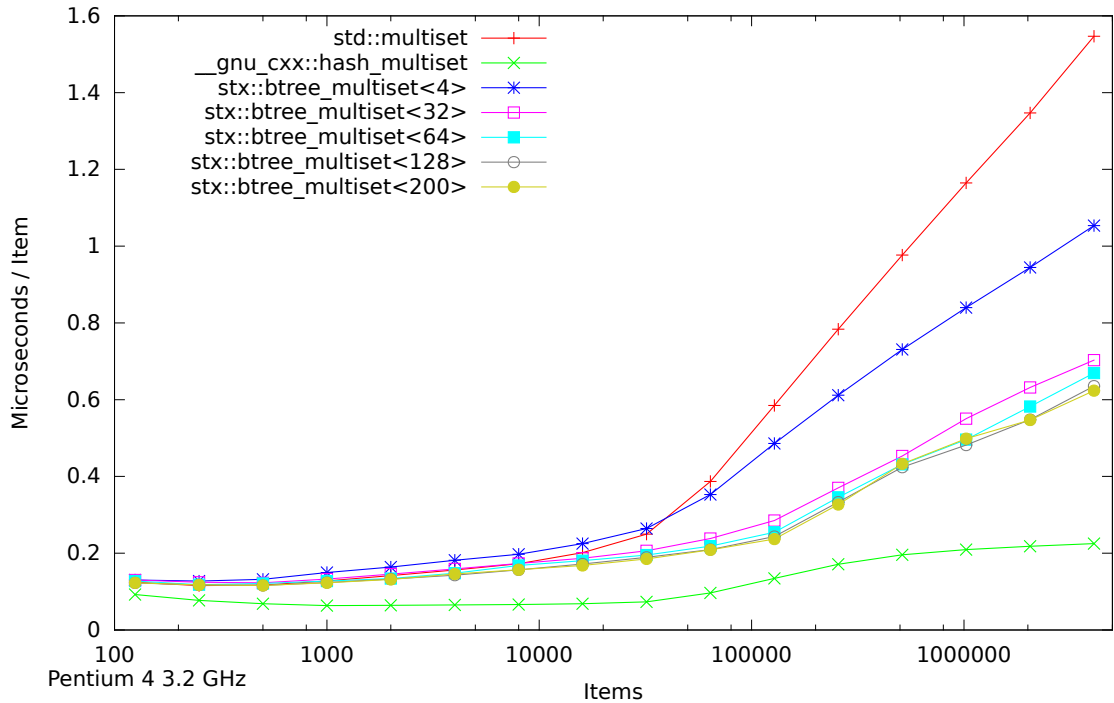- 1024000 Data Pairs
- 2048000 Data Pairs
- 4096000 Data Pairs

Y-axis: Seconds

X-axis: Leaf/Inner Slots

Pentium 4 3.2 GHz