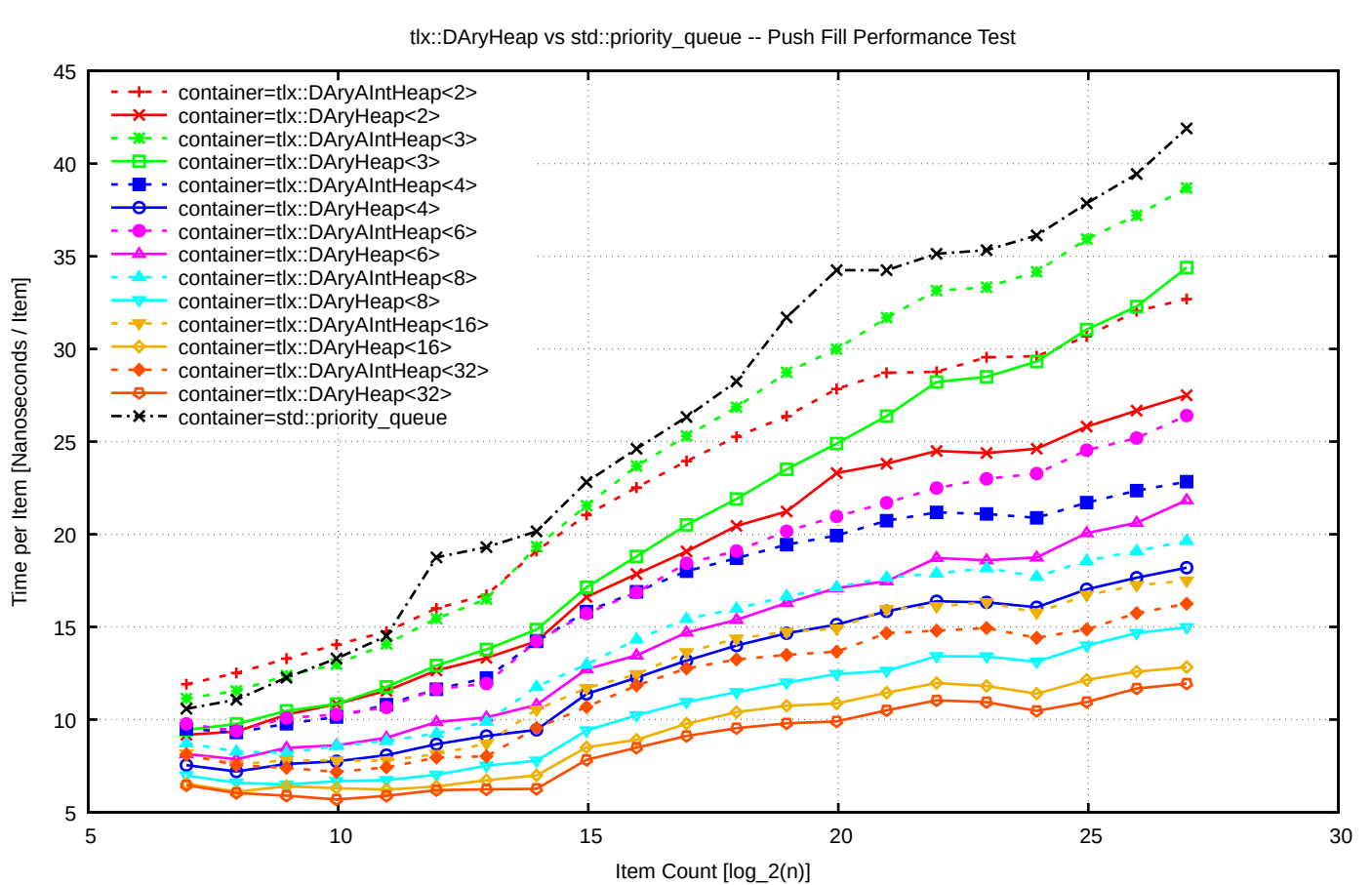
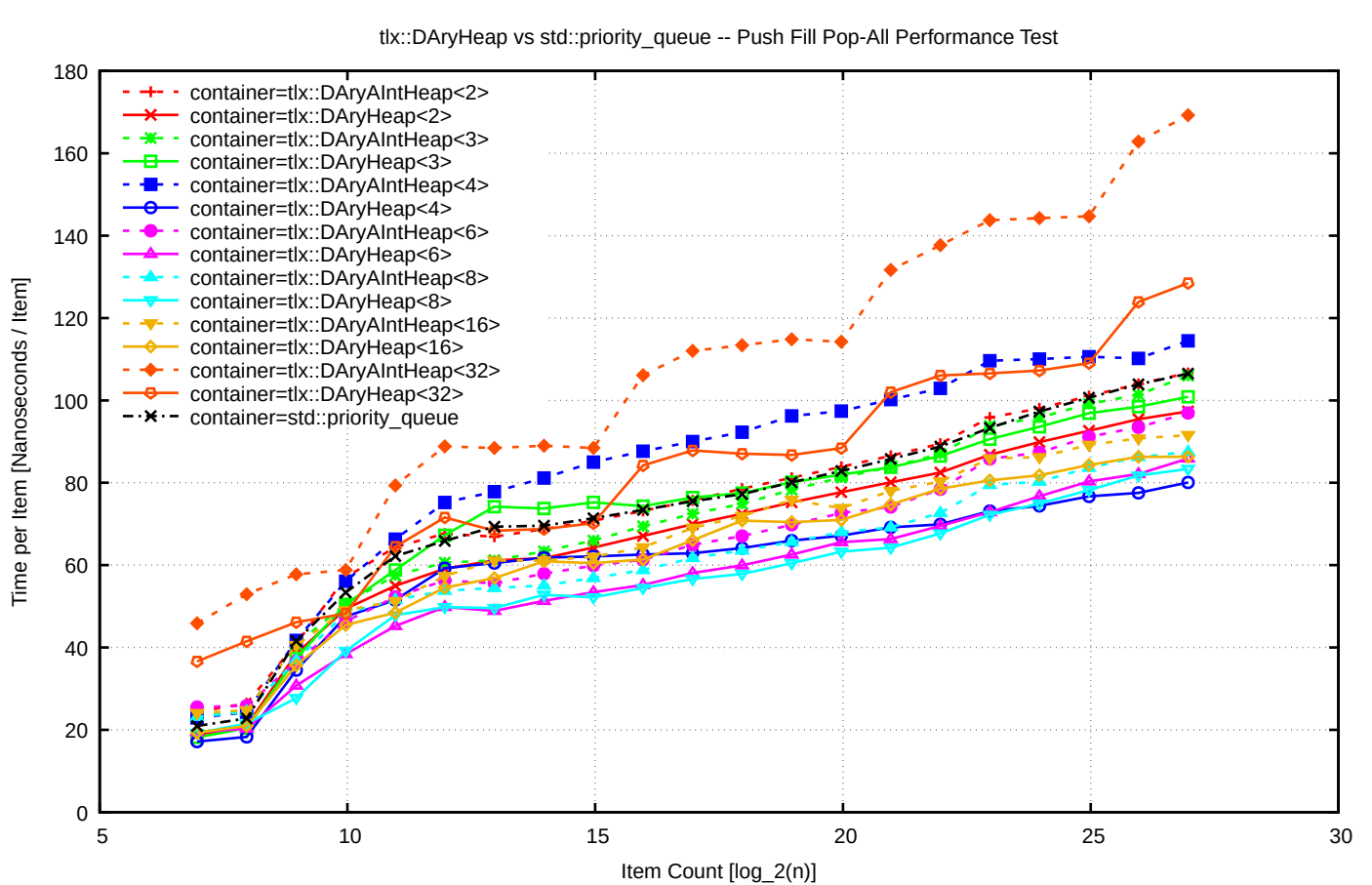
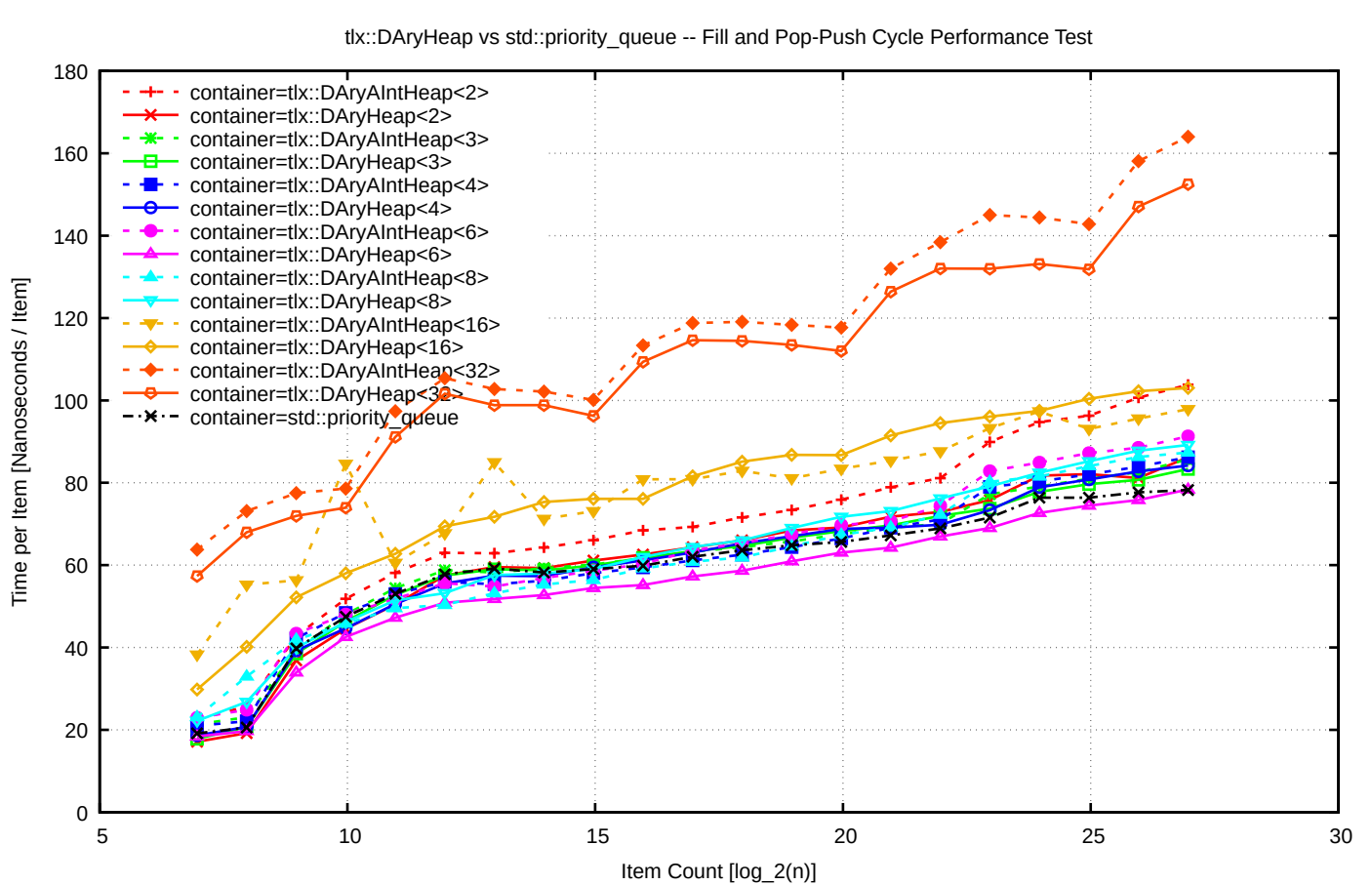

tlx::DAryHeap vs std::priority_queue -- Push Fill Performance Test
container=tlx::DAryAIntHeap<2>
container=tlx::DAryHeap<2>
container=tlx::DAryAIntHeap<3>
container=tlx::DAryHeap<3>
container=tlx::DAryAIntHeap<4>
container=tlx::DAryHeap<4>
container=tlx::DAryAIntHeap<6>
container=tlx::DAryHeap<6>
container=tlx::DAryAIntHeap<8>
container=tlx::DAryHeap<8>
container=tlx::DAryAIntHeap<16>
container=tlx::DAryHeap<16>
container=tlx::DAryAIntHeap<32>
container=tlx::DAryHeap<32>
container=std::priority_queue
Time per Item [Nanoseconds / Item]
Item Count [log_2(n)]
45
40
35
30
25
20
15
10
5
5
10
15
20
25
30


tlx::DAryHeap vs std::priority_queue -- Push Fill Pop-All Performance Test
container=tlx::DAryAIntHeap<2>
container=tlx::DAryHeap<2>
container=tlx::DAryAIntHeap<3>
container=tlx::DAryHeap<3>
container=tlx::DAryAIntHeap<4>
container=tlx::DAryHeap<4>
container=tlx::DAryAIntHeap<6>
container=tlx::DAryHeap<6>
container=tlx::DAryAIntHeap<8>
container=tlx::DAryHeap<8>
container=tlx::DAryAIntHeap<16>
container=tlx::DAryHeap<16>
container=tlx::DAryAIntHeap<32>
container=tlx::DAryHeap<32>
container=std::priority_queue
Time per Item [Nanoseconds / Item]
Item Count [log_2(n)]
0
20
40
60
80
100
120
140
160
180
5
10
15
20
25
30


tlx::DAryHeap vs std::priority_queue -- Fill and Pop-Push Cycle Performance Test
container=tlx::DAryAIntHeap<2>
container=tlx::DAryHeap<2>
container=tlx::DAryAIntHeap<3>
container=tlx::DAryHeap<3>
container=tlx::DAryAIntHeap<4>
container=tlx::DAryHeap<4>
container=tlx::DAryAIntHeap<6>
container=tlx::DAryHeap<6>
container=tlx::DAryAIntHeap<8>
container=tlx::DAryHeap<8>
container=tlx::DAryAIntHeap<16>
container=tlx::DAryHeap<16>
container=tlx::DAryAIntHeap<32>
container=tlx::DAryHeap<32>
container=std::priority_queue
Time per Item [Nanoseconds / Item]
Item Count [log_2(n)]
0
20
40
60
80
100
120
140
160
180
5
10
15
20
25
30