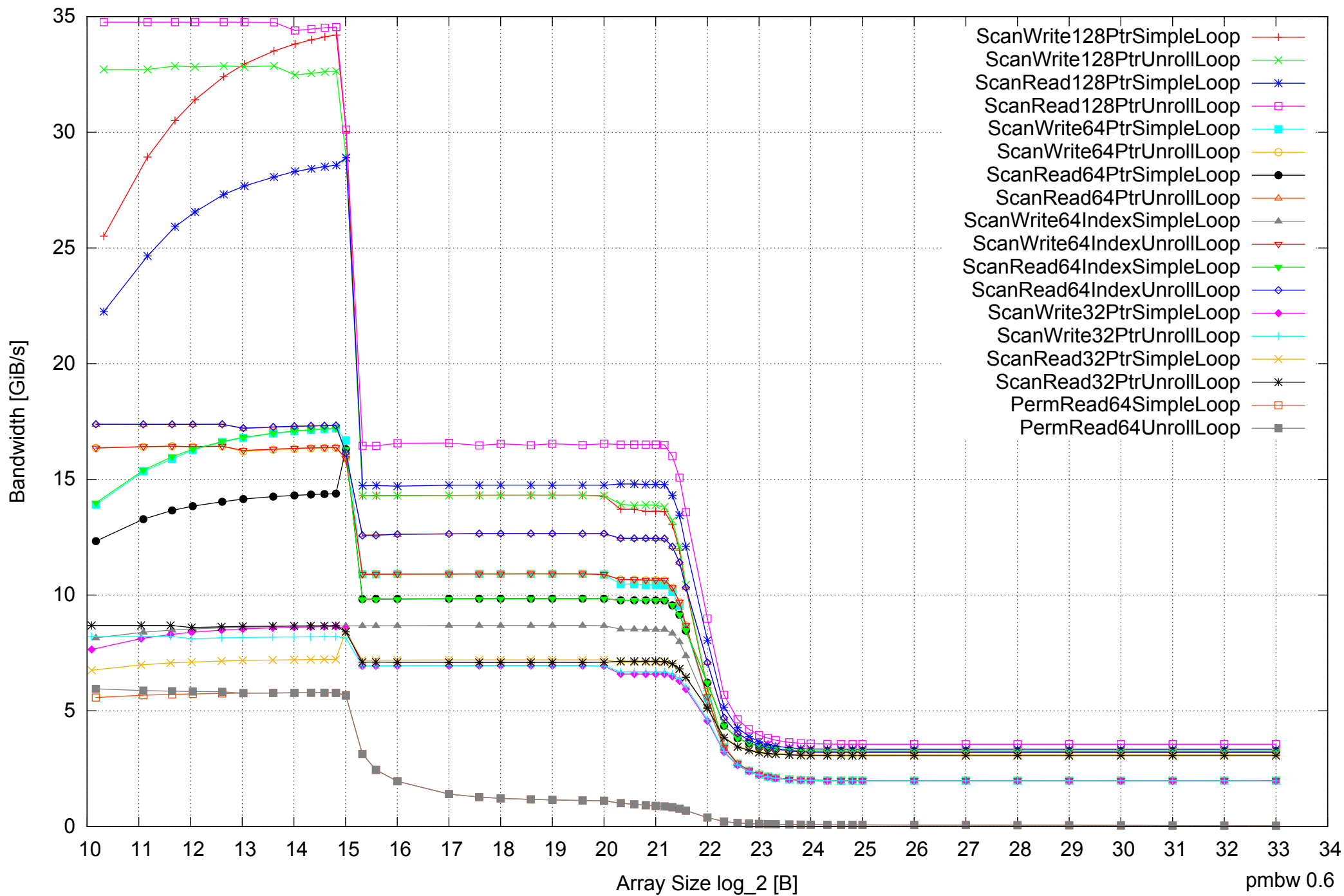
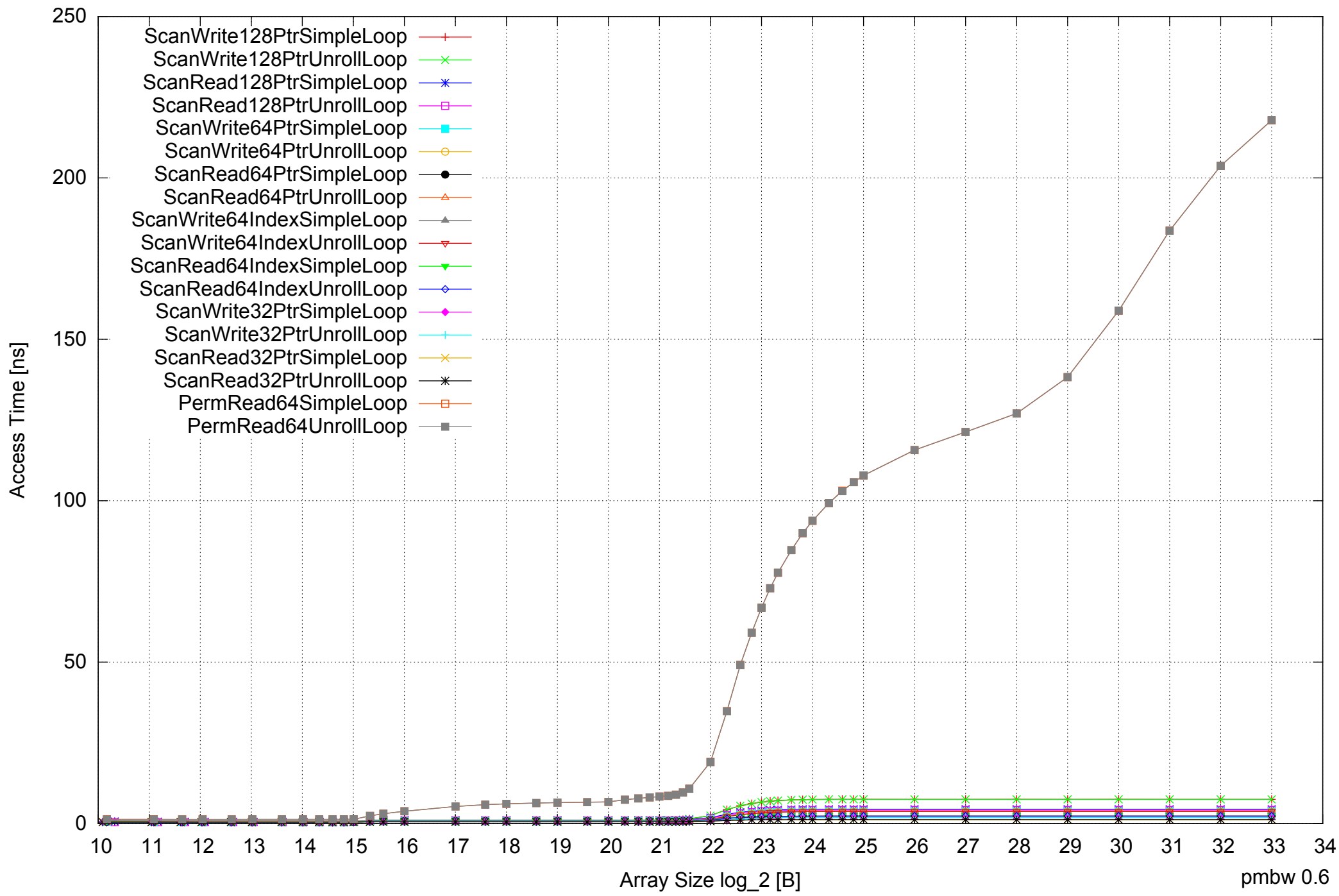


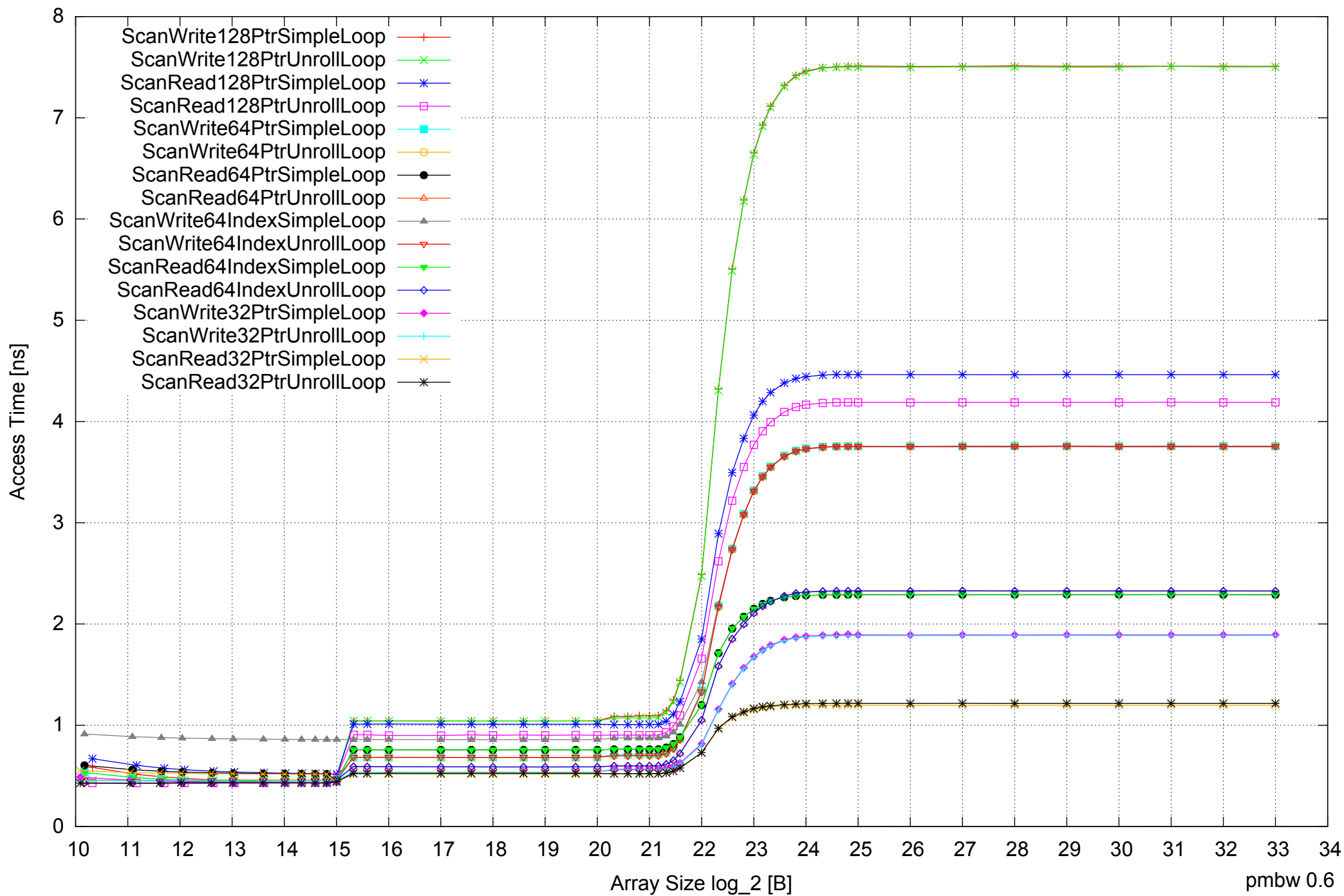
Intel Xeon E5345 16GB - One Thread Memory Bandwidth



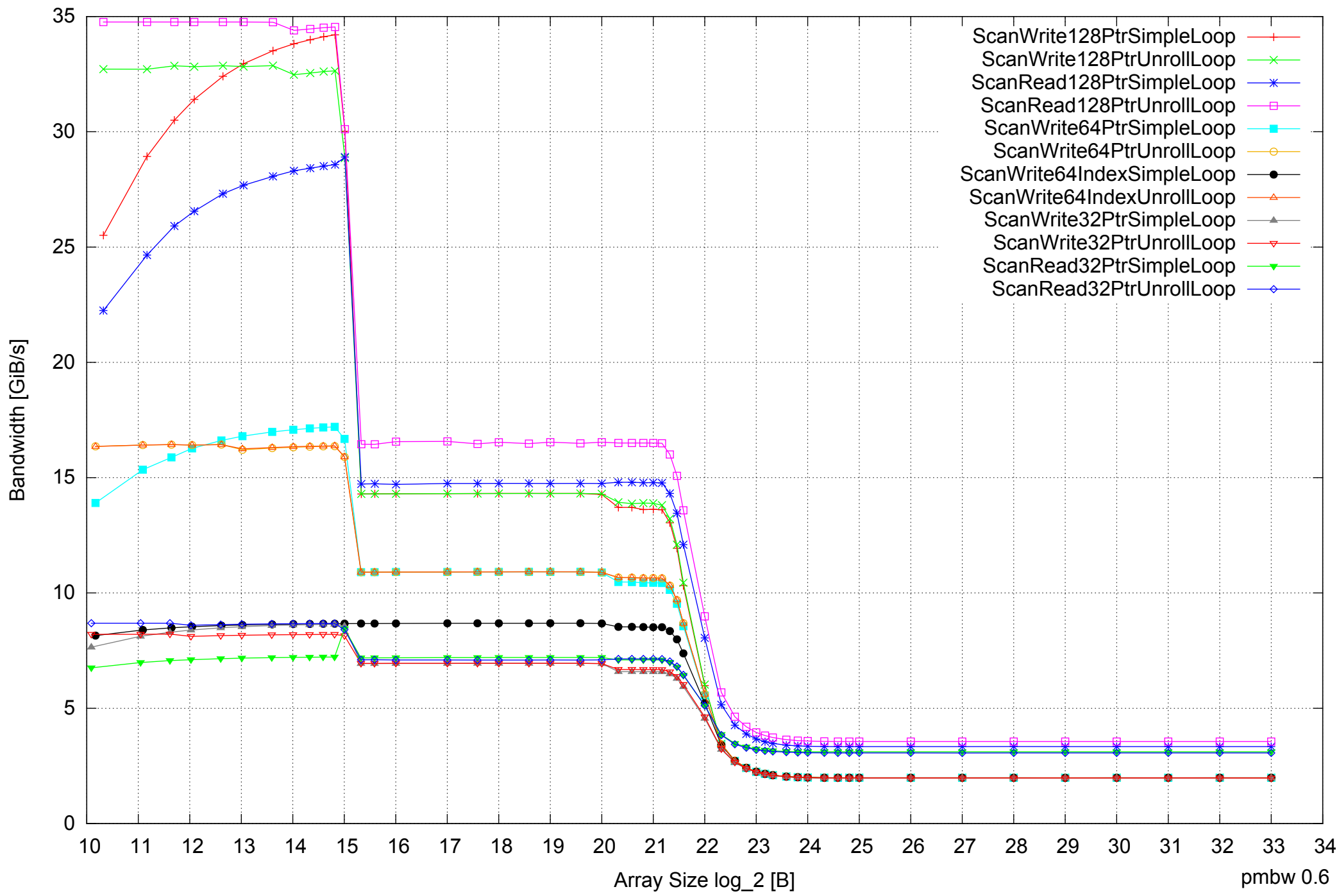
Intel Xeon E5345 16GB - One Thread Memory Latency



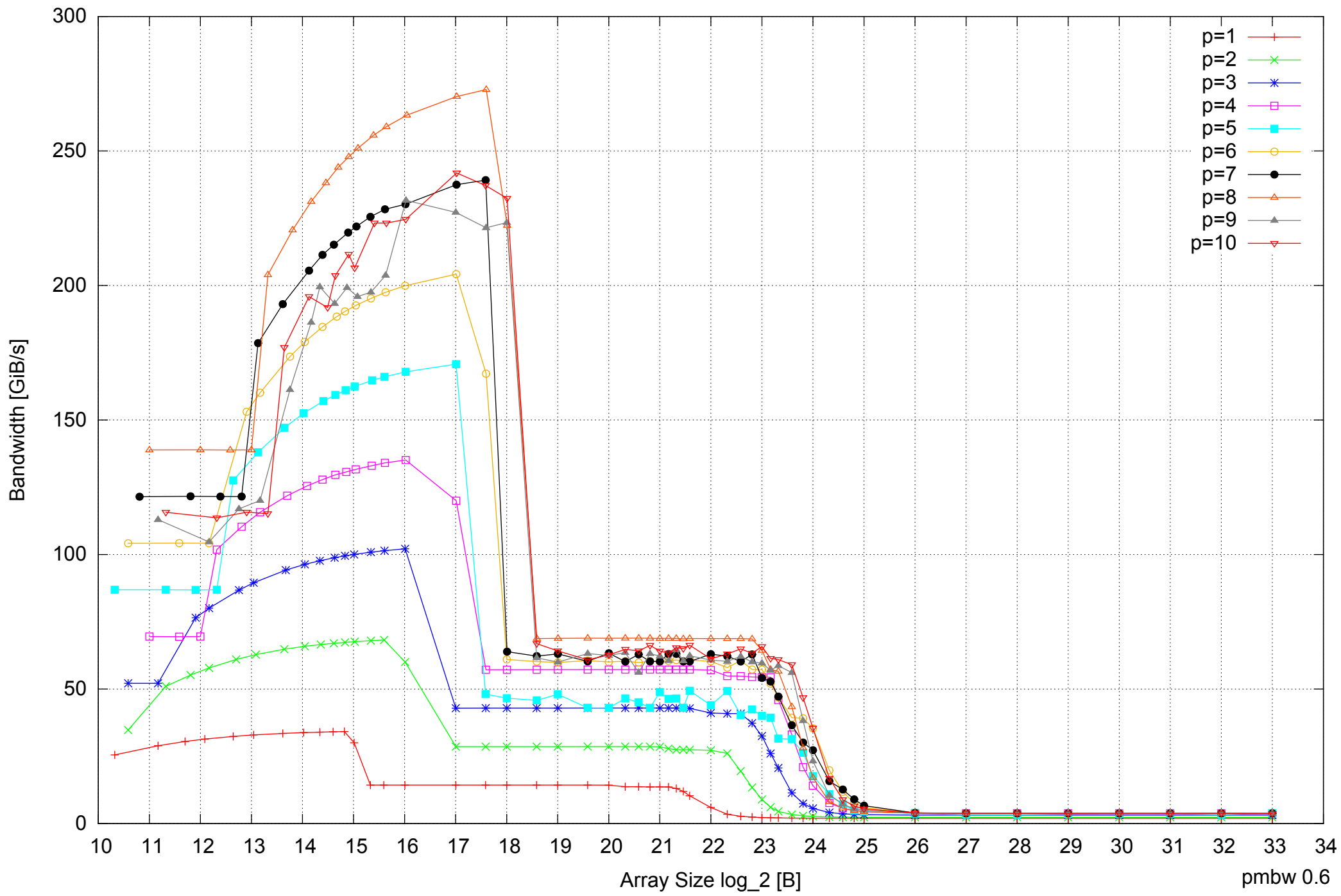
Intel Xeon E5345 16GB - One Thread Memory Latency (excluding Permutation)



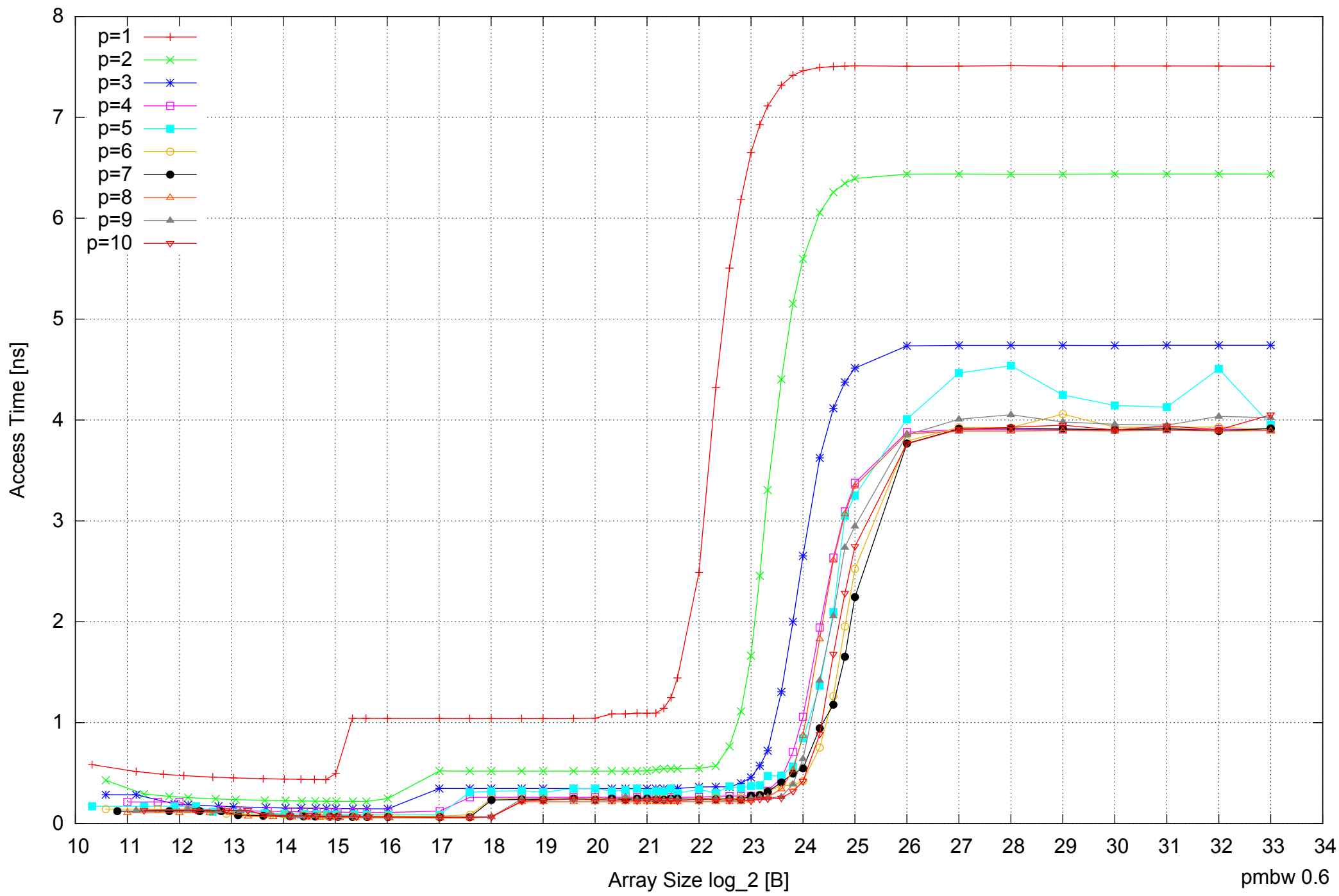
Intel Xeon E5345 16GB - One Thread Memory Bandwidth (only 64-bit Reads)



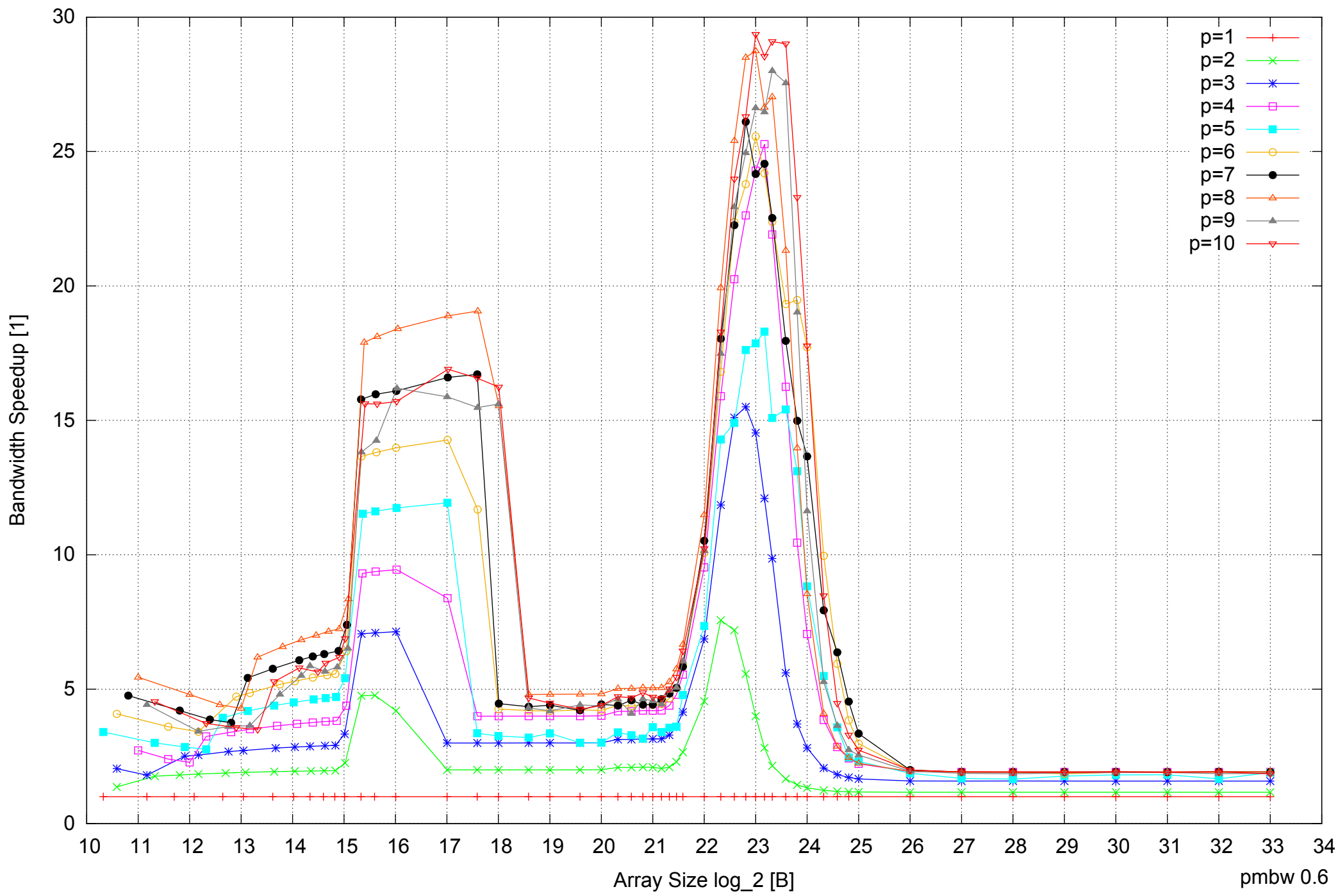
Intel Xeon E5345 16GB - Memory Bandwidth - ScanWrite128PtrSimpleLoop



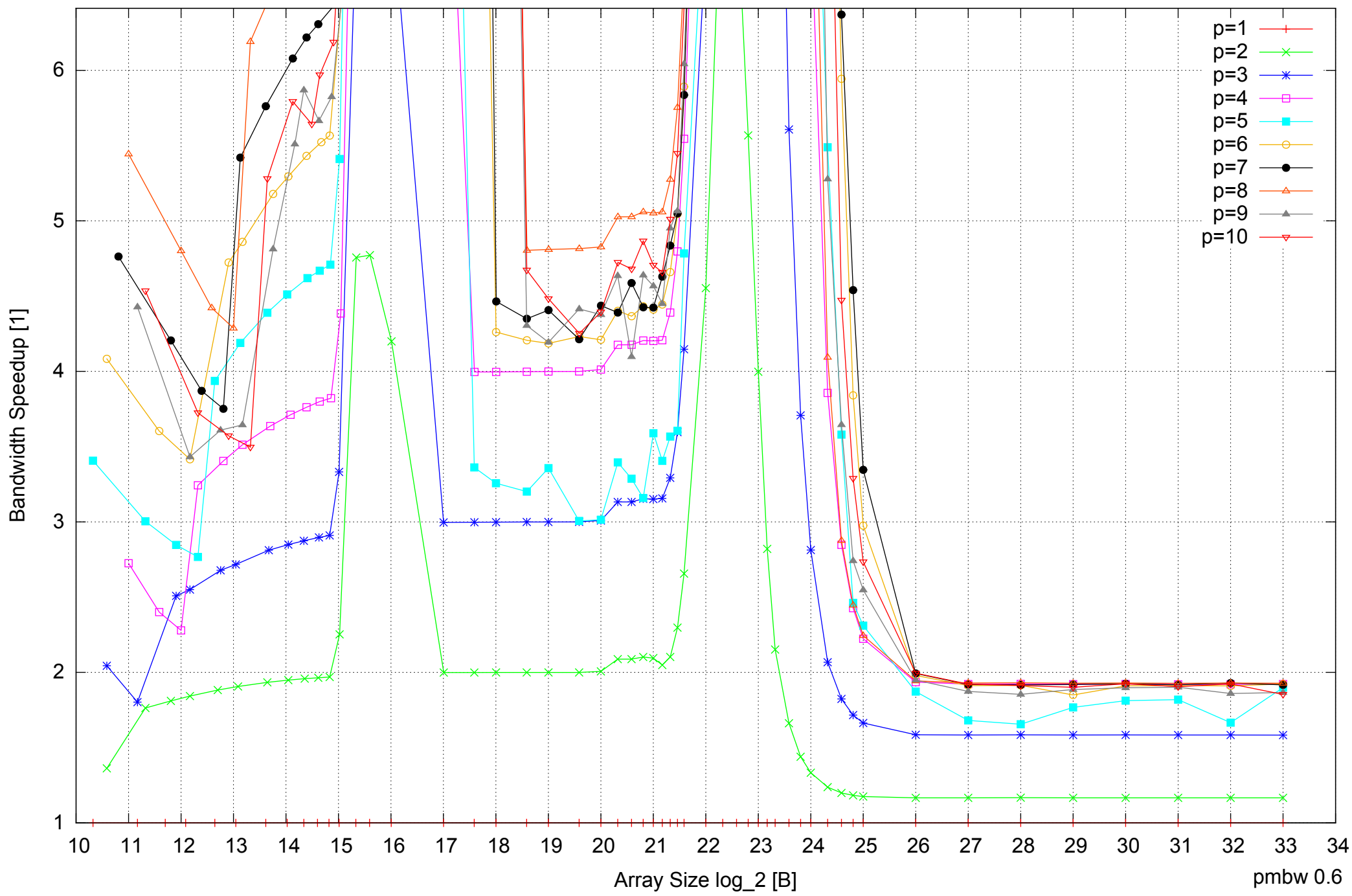
Intel Xeon E5345 16GB - Memory Latency - ScanWrite128PtrSimpleLoop



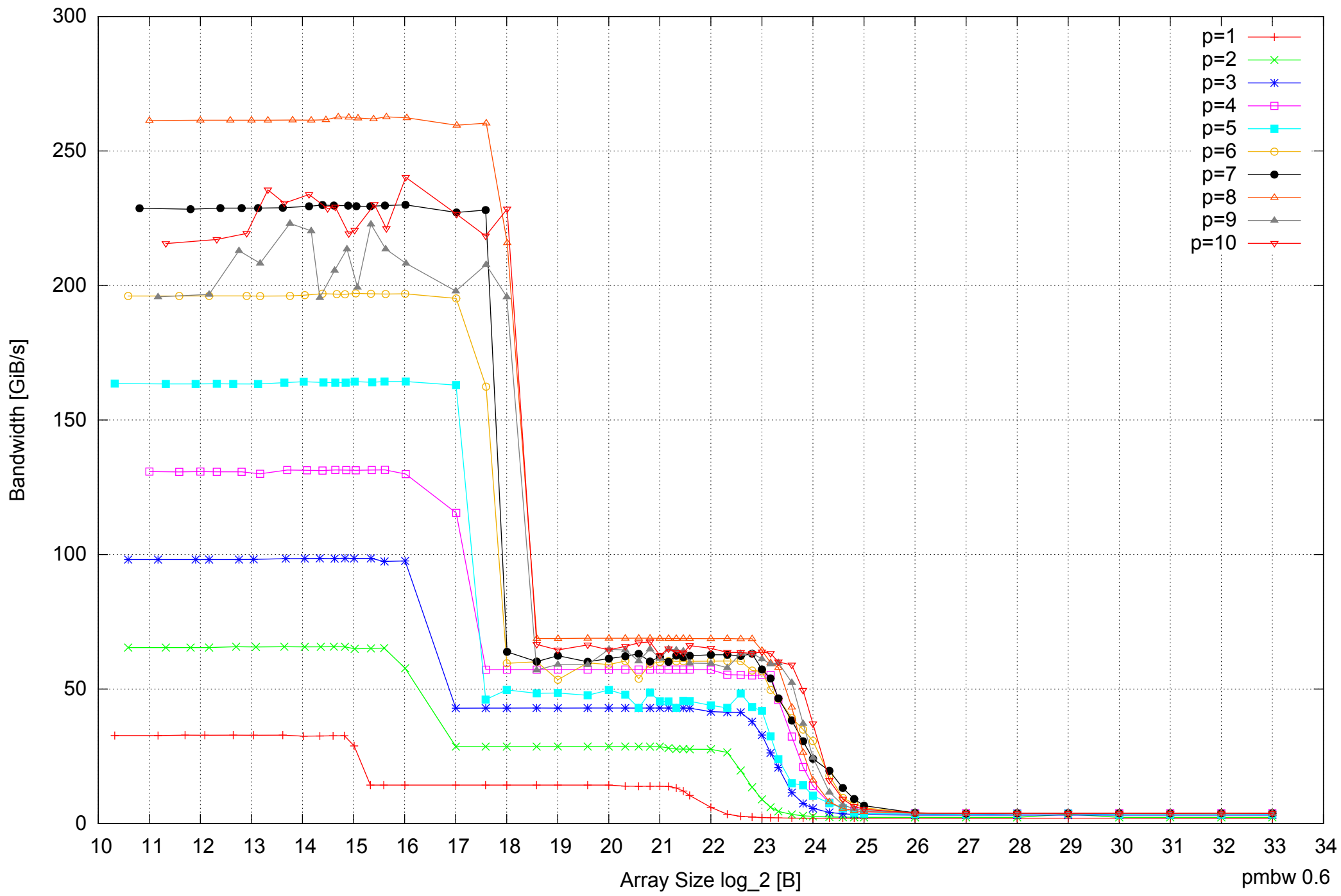
Intel Xeon E5345 16GB - Speedup of Memory Bandwidth - ScanWrite128PtrSimpleLoop



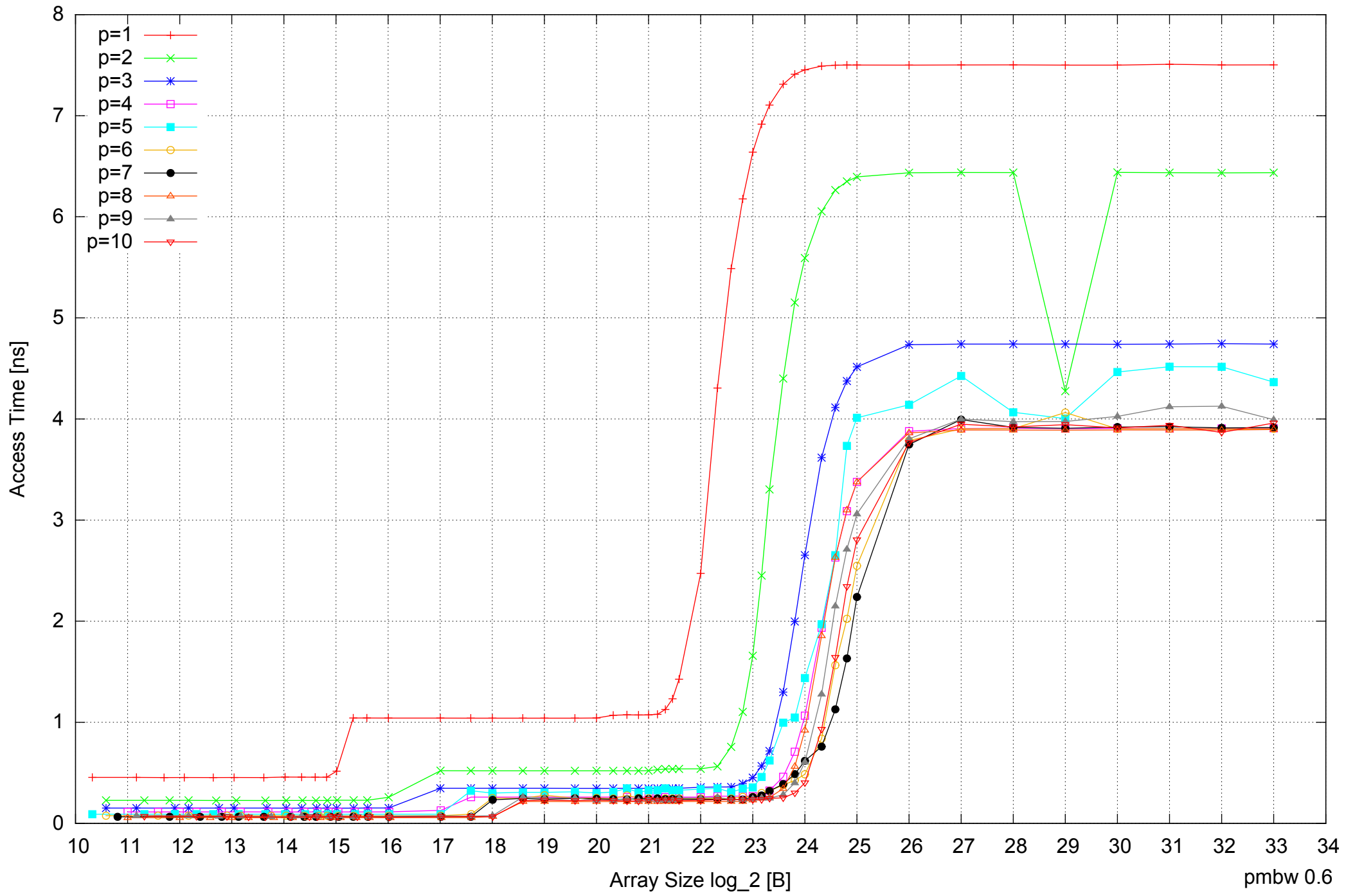
Intel Xeon E5345 16GB - Speedup of Memory Bandwidth (enlarged) - ScanWrite128PtrSimpleLoop



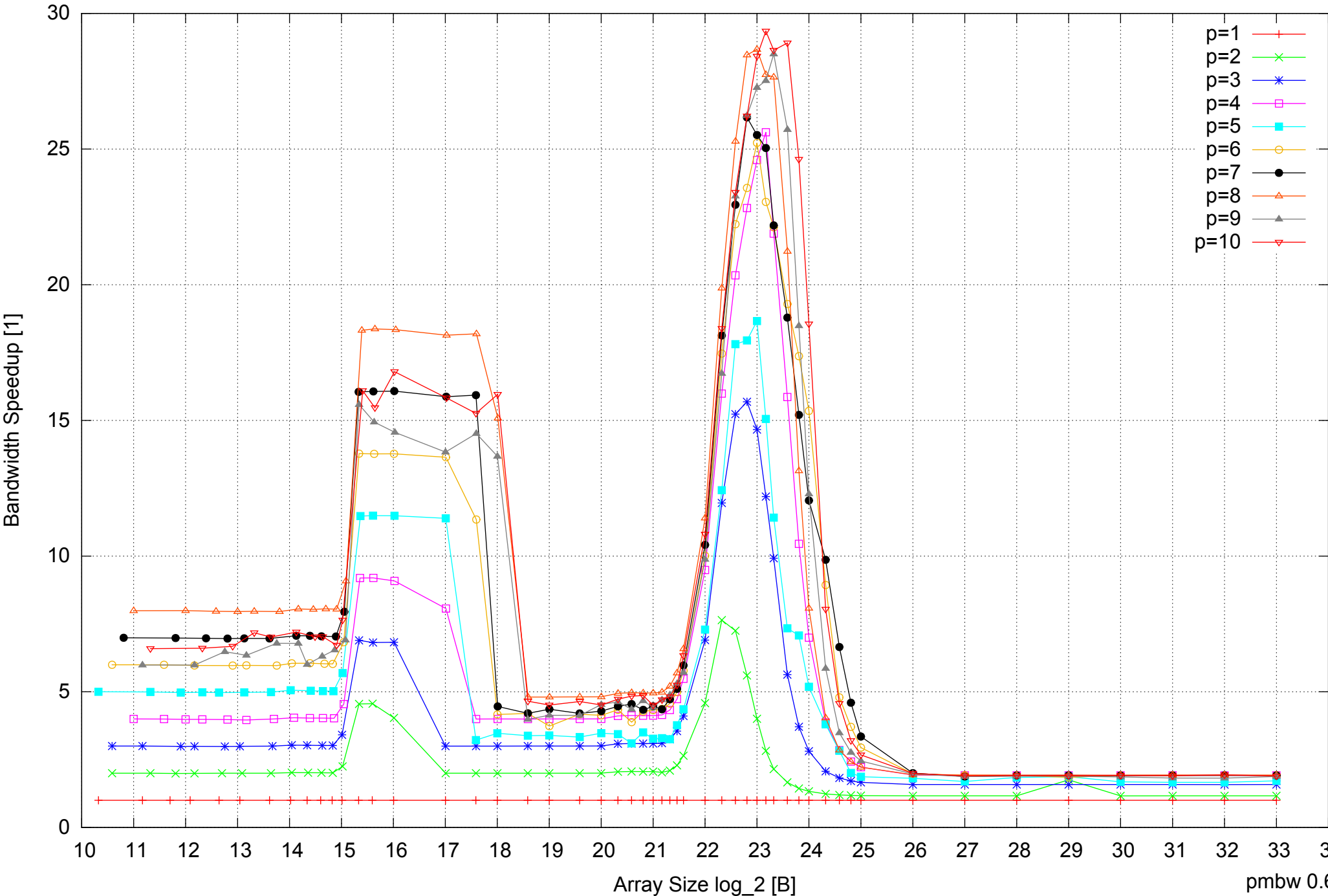
Intel Xeon E5345 16GB - Memory Bandwidth - ScanWrite128PtrUnrollLoop



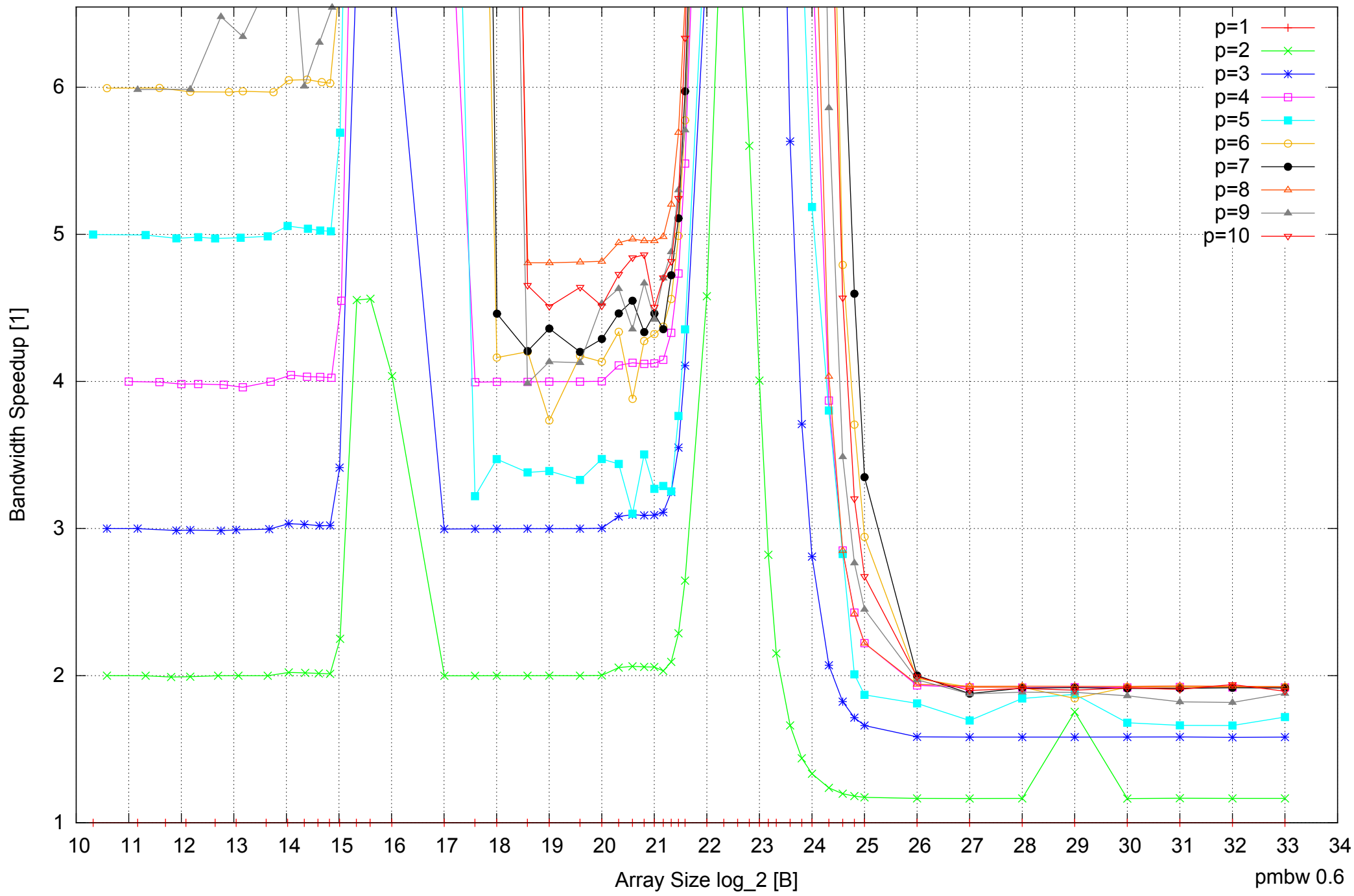
Intel Xeon E5345 16GB - Memory Latency - ScanWrite128PtrUnrollLoop



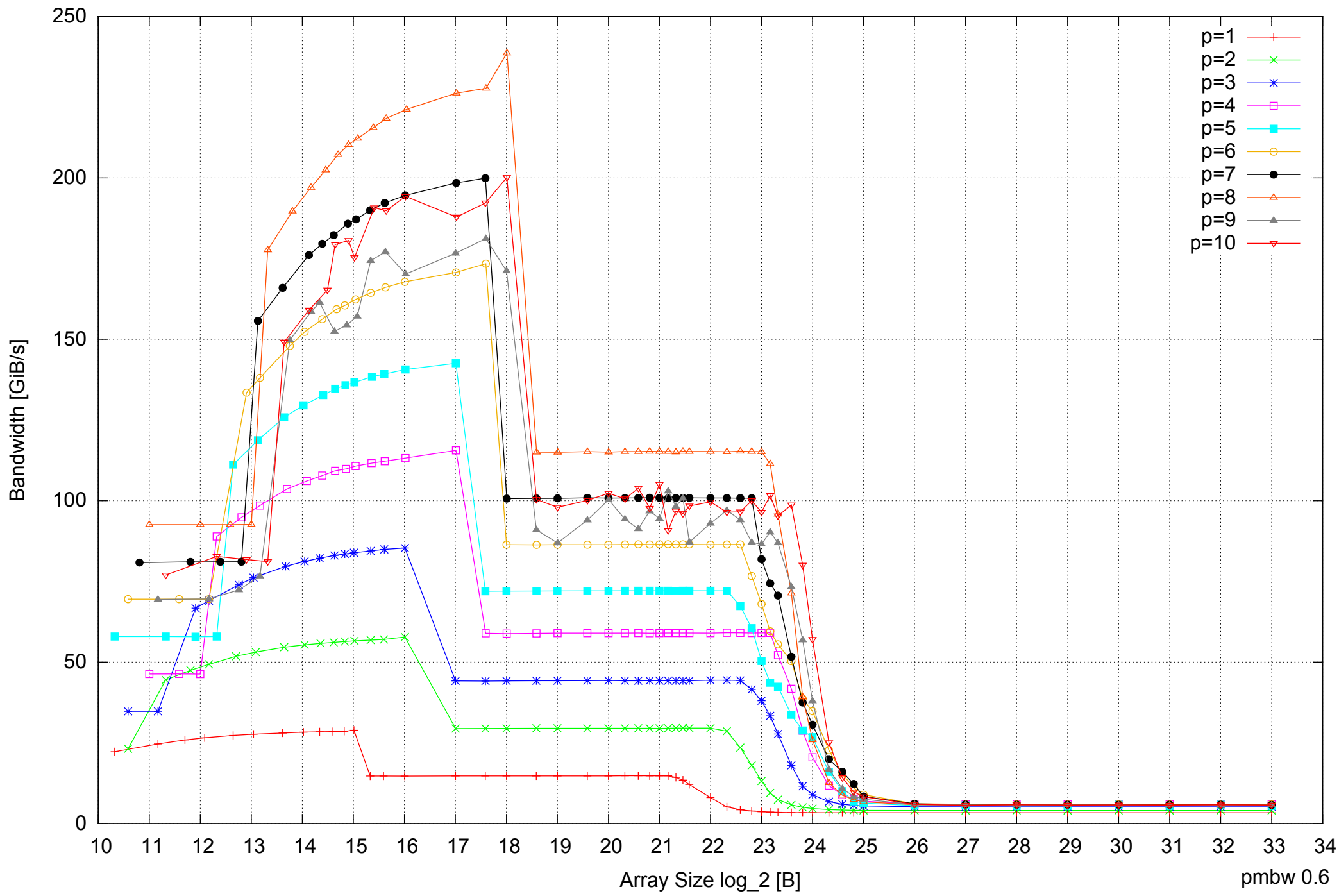
Intel Xeon E5345 16GB - Speedup of Memory Bandwidth - ScanWrite128PtrUnrollLoop



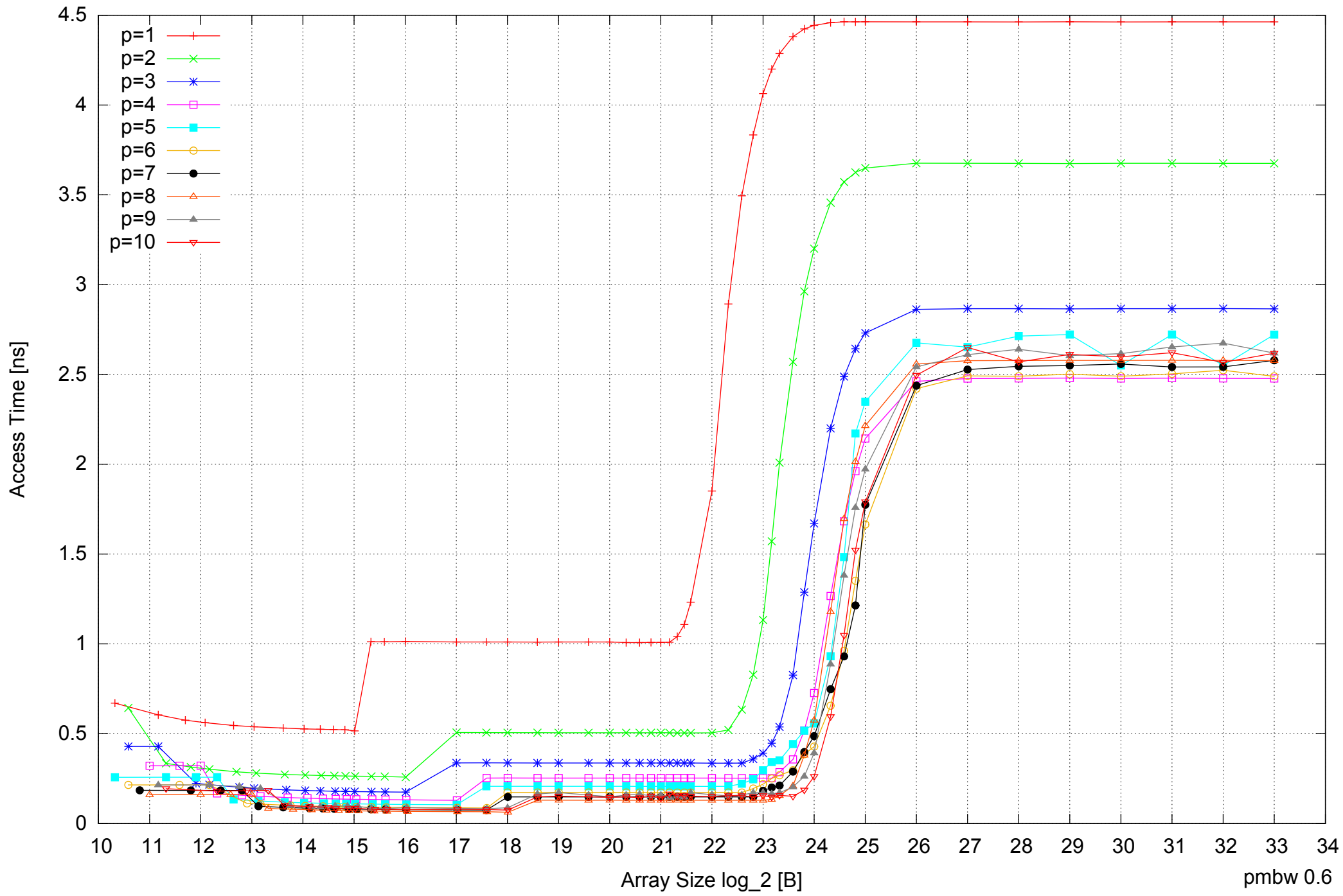
Intel Xeon E5345 16GB - Speedup of Memory Bandwidth (enlarged) - ScanWrite128PtrUnrollLoop



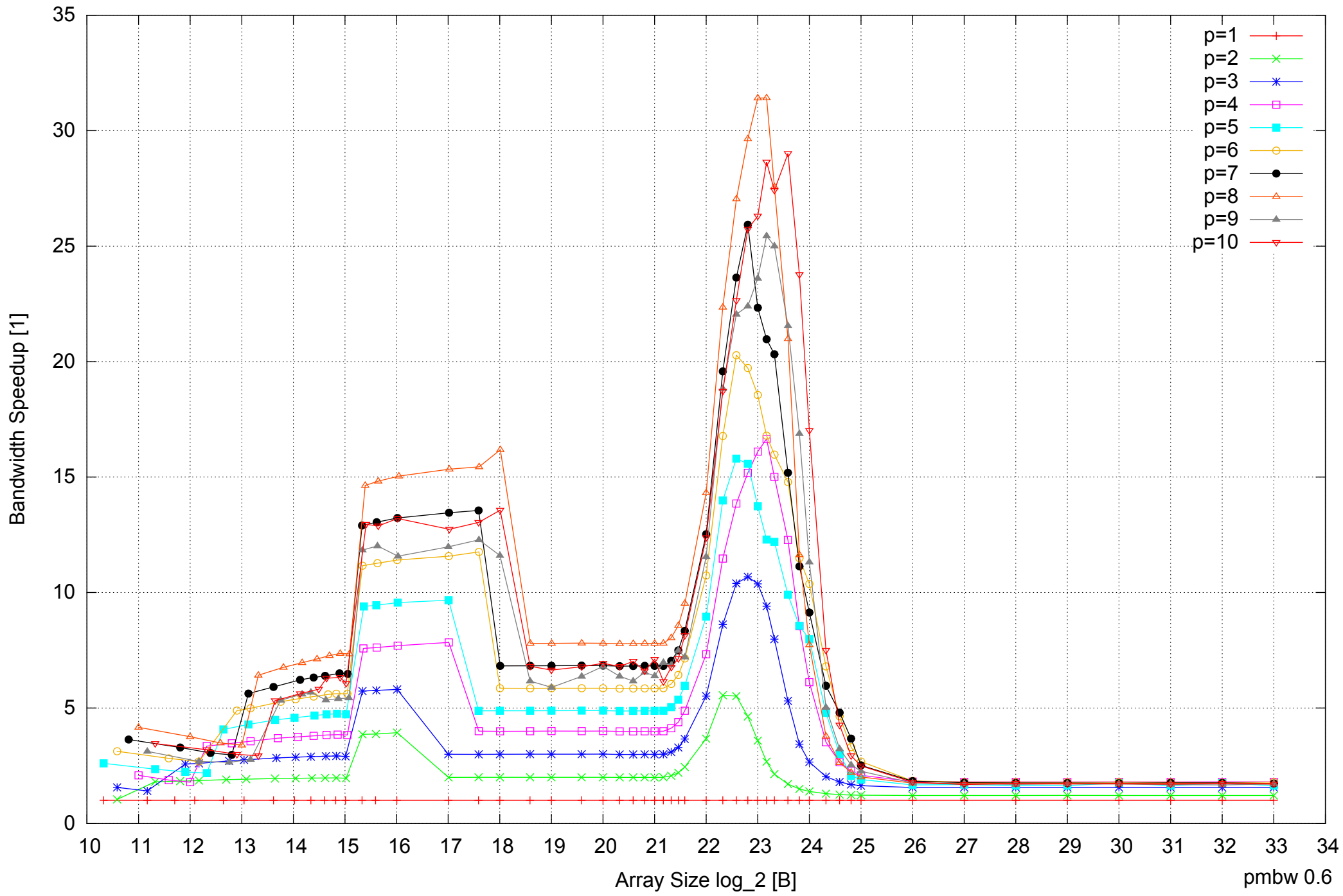
Intel Xeon E5345 16GB - Memory Bandwidth - ScanRead128PtrSimpleLoop



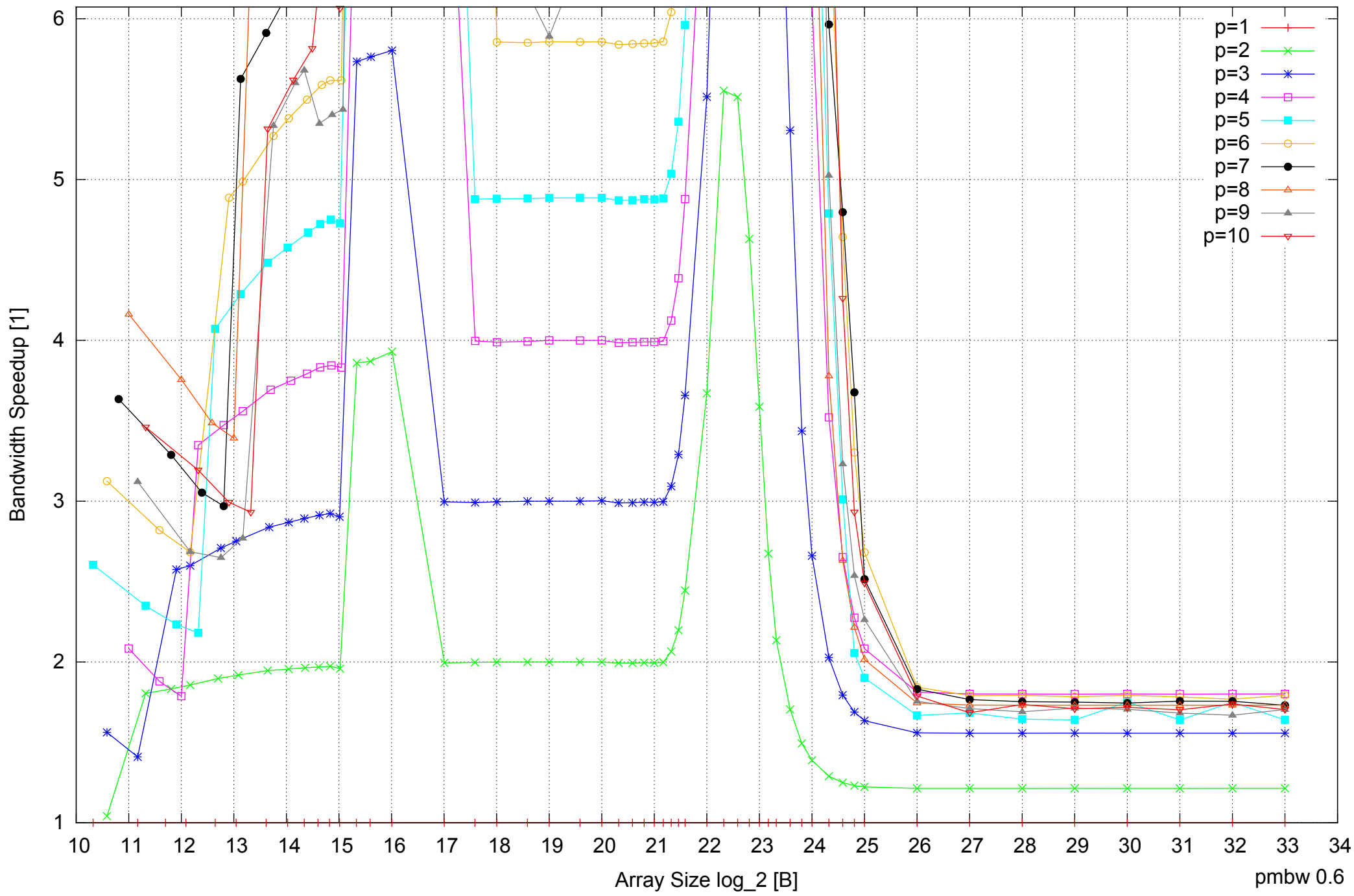
Intel Xeon E5345 16GB - Memory Latency - ScanRead128PtrSimpleLoop



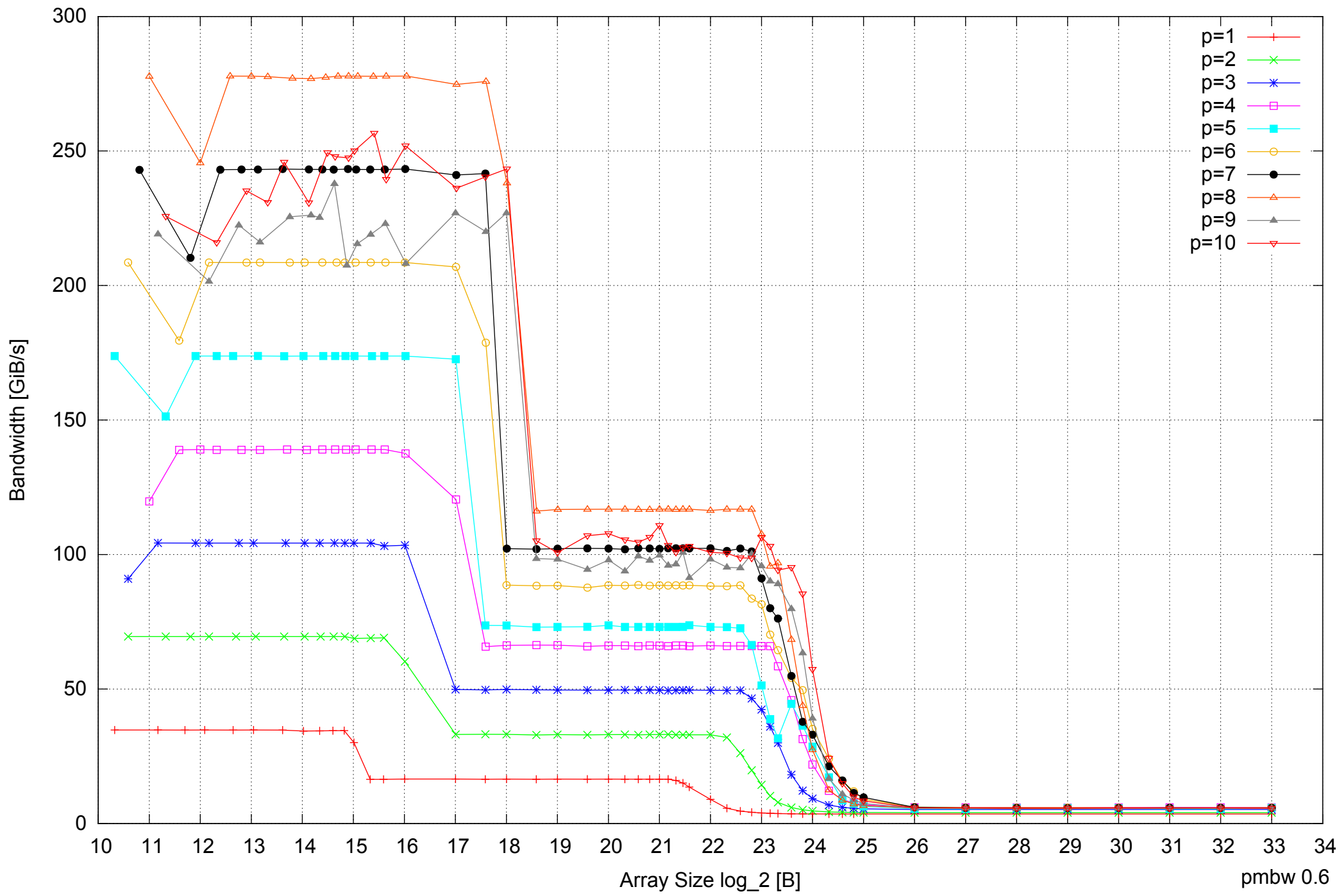
Intel Xeon E5345 16GB - Speedup of Memory Bandwidth - ScanRead128PtrSimpleLoop



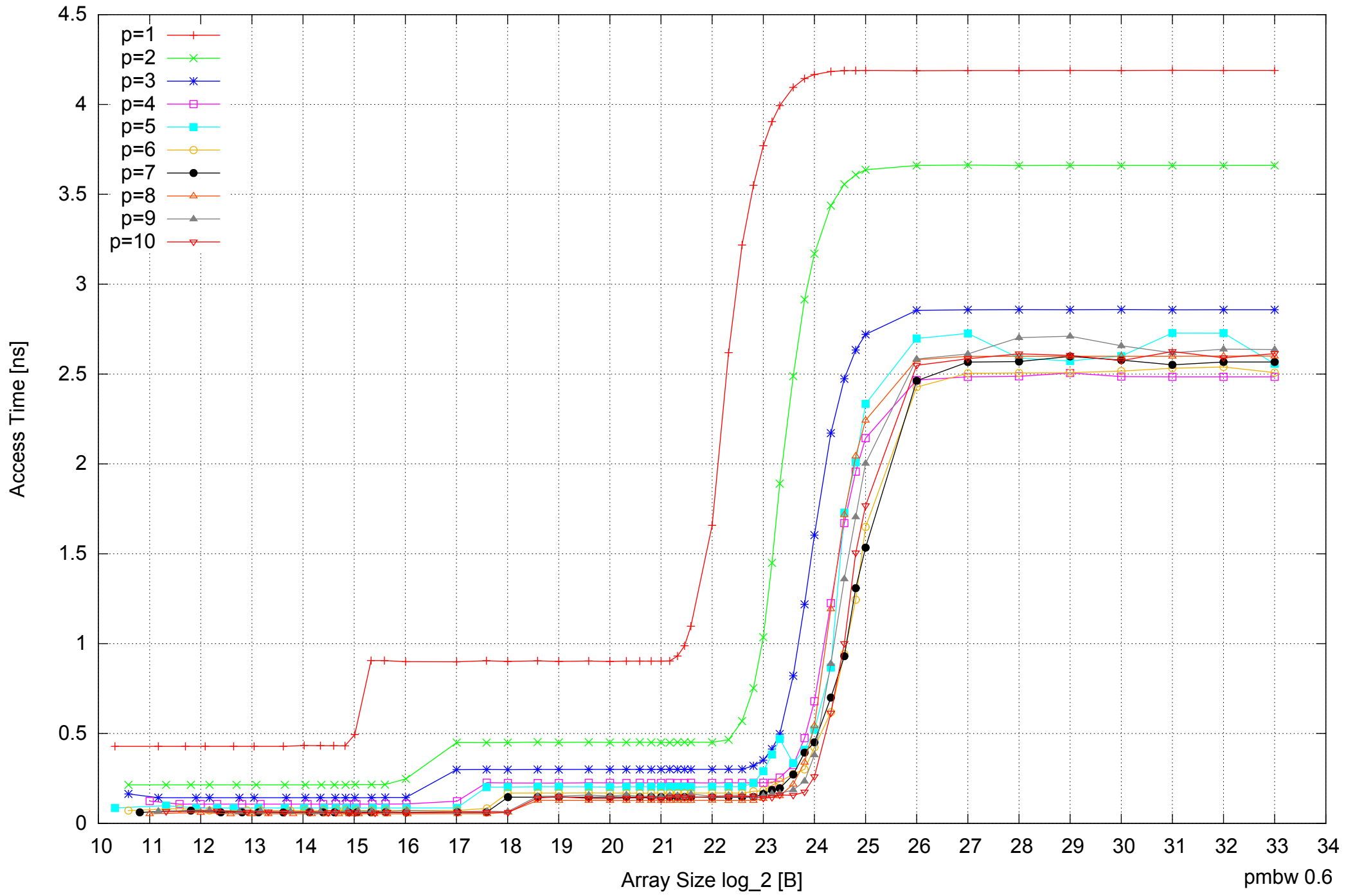
Intel Xeon E5345 16GB - Speedup of Memory Bandwidth (enlarged) - ScanRead128PtrSimpleLoop



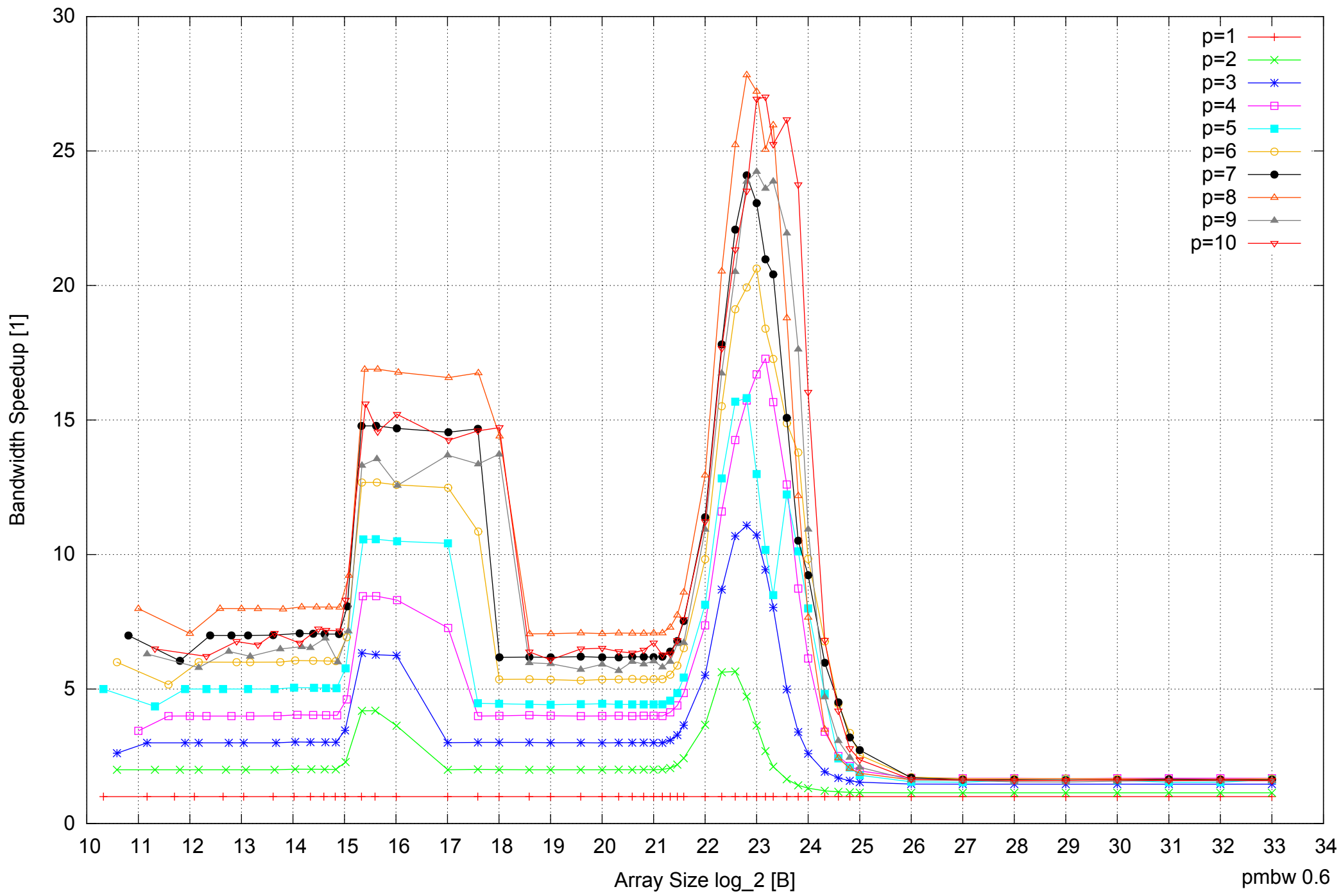
Intel Xeon E5345 16GB - Memory Bandwidth - ScanRead128PtrUnrollLoop



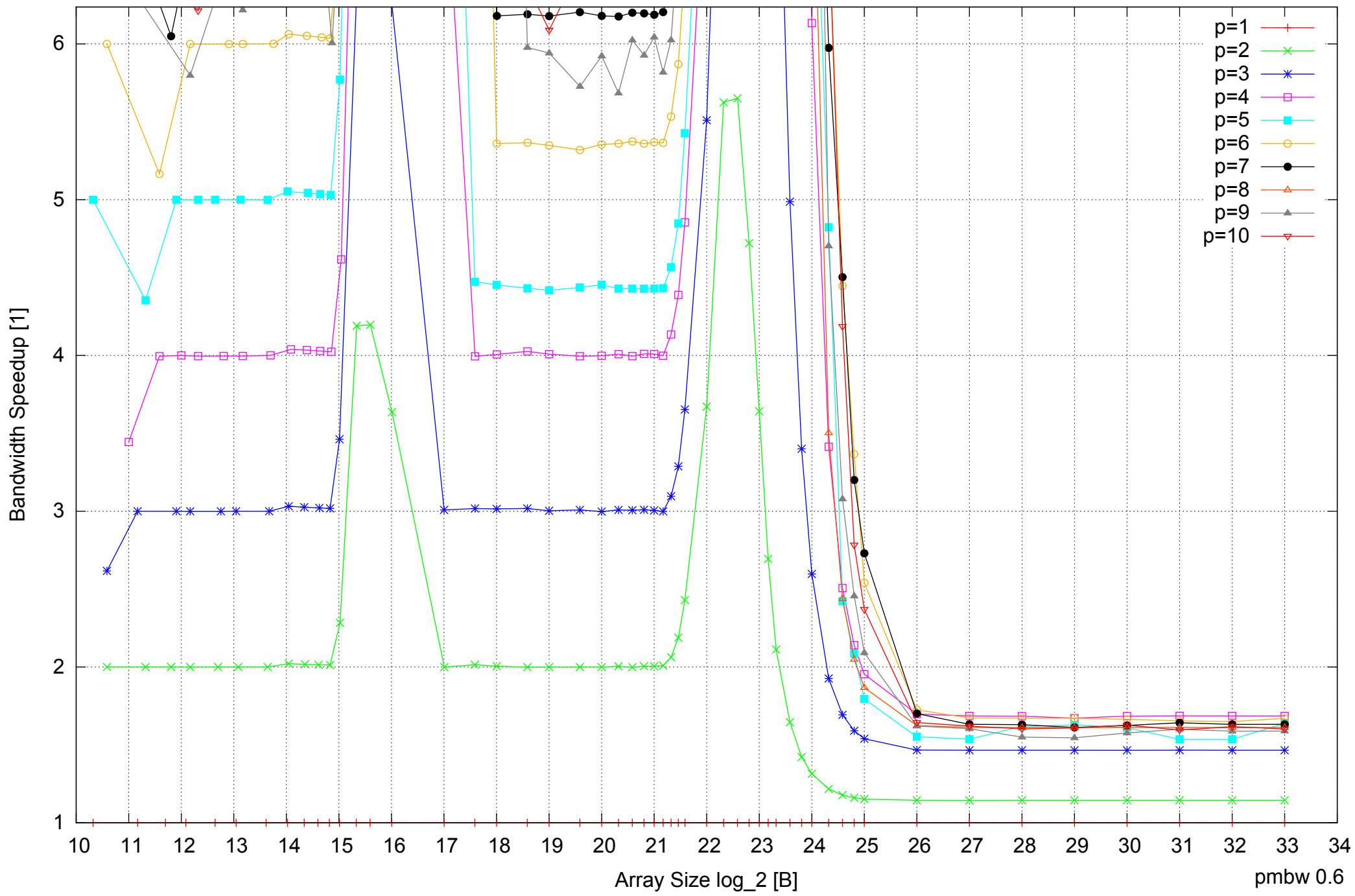
Intel Xeon E5345 16GB - Memory Latency - ScanRead128PtrUnrollLoop



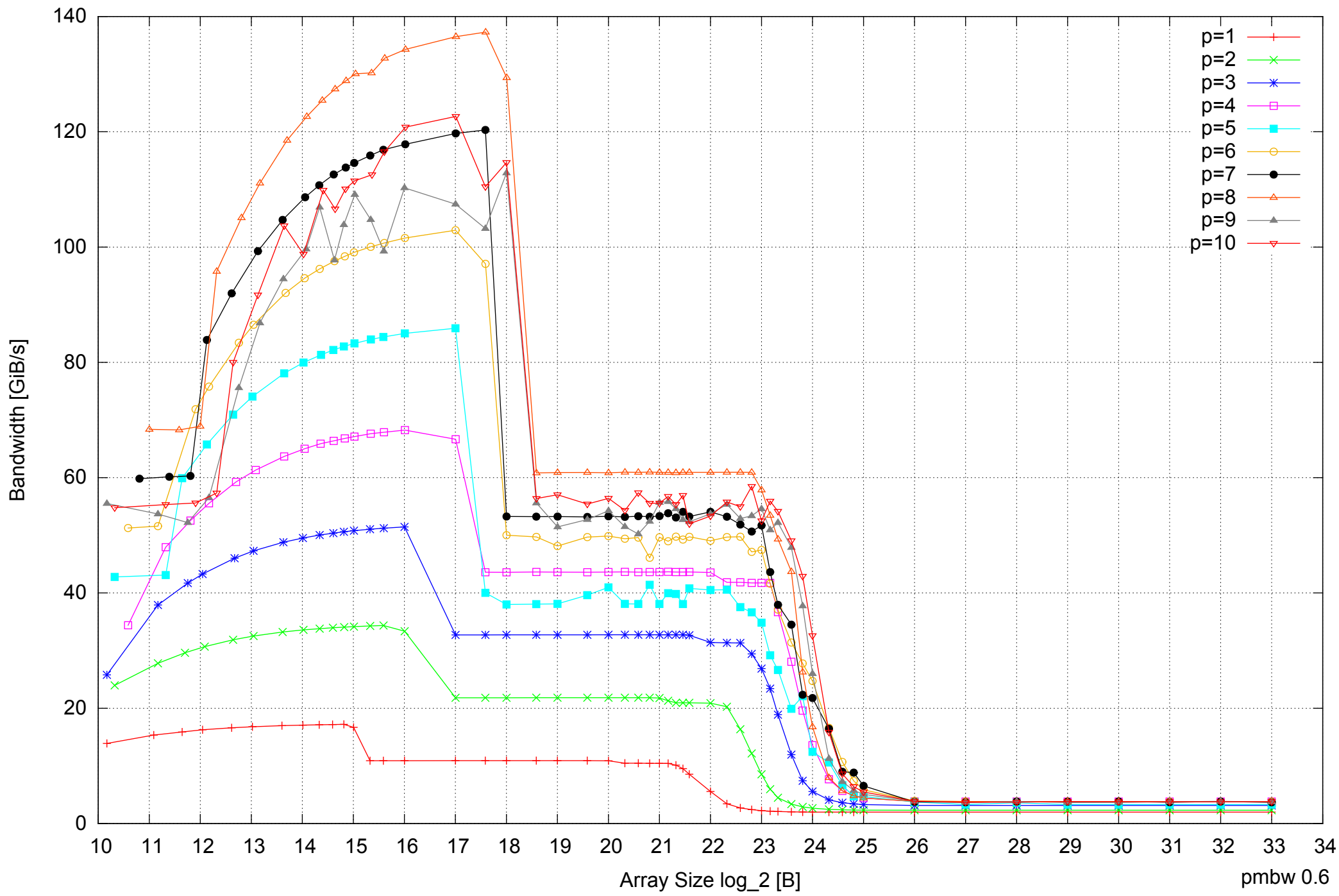
Intel Xeon E5345 16GB - Speedup of Memory Bandwidth - ScanRead128PtrUnrollLoop



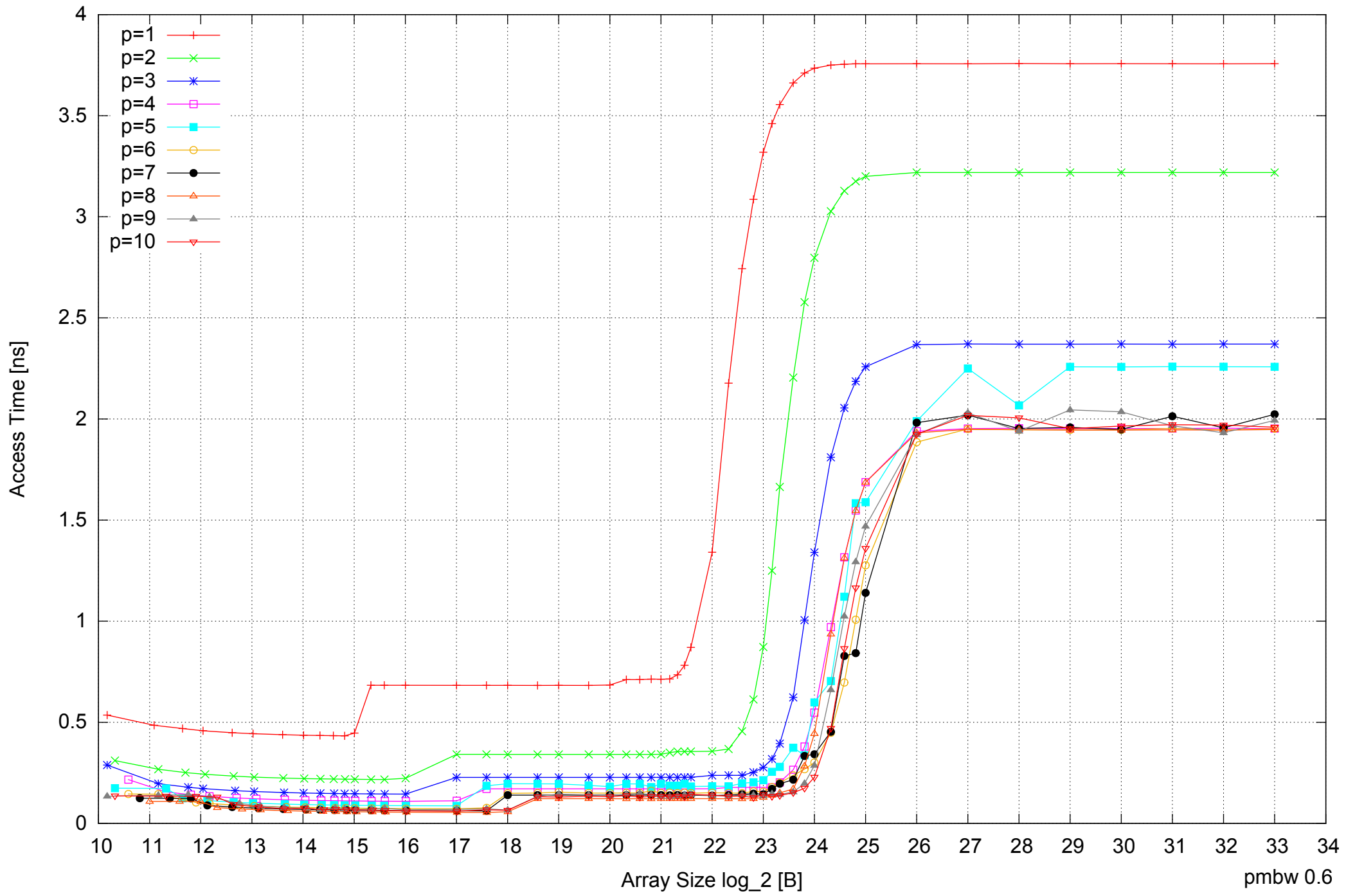
Intel Xeon E5345 16GB - Speedup of Memory Bandwidth (enlarged) - ScanRead128PtrUnrollLoop



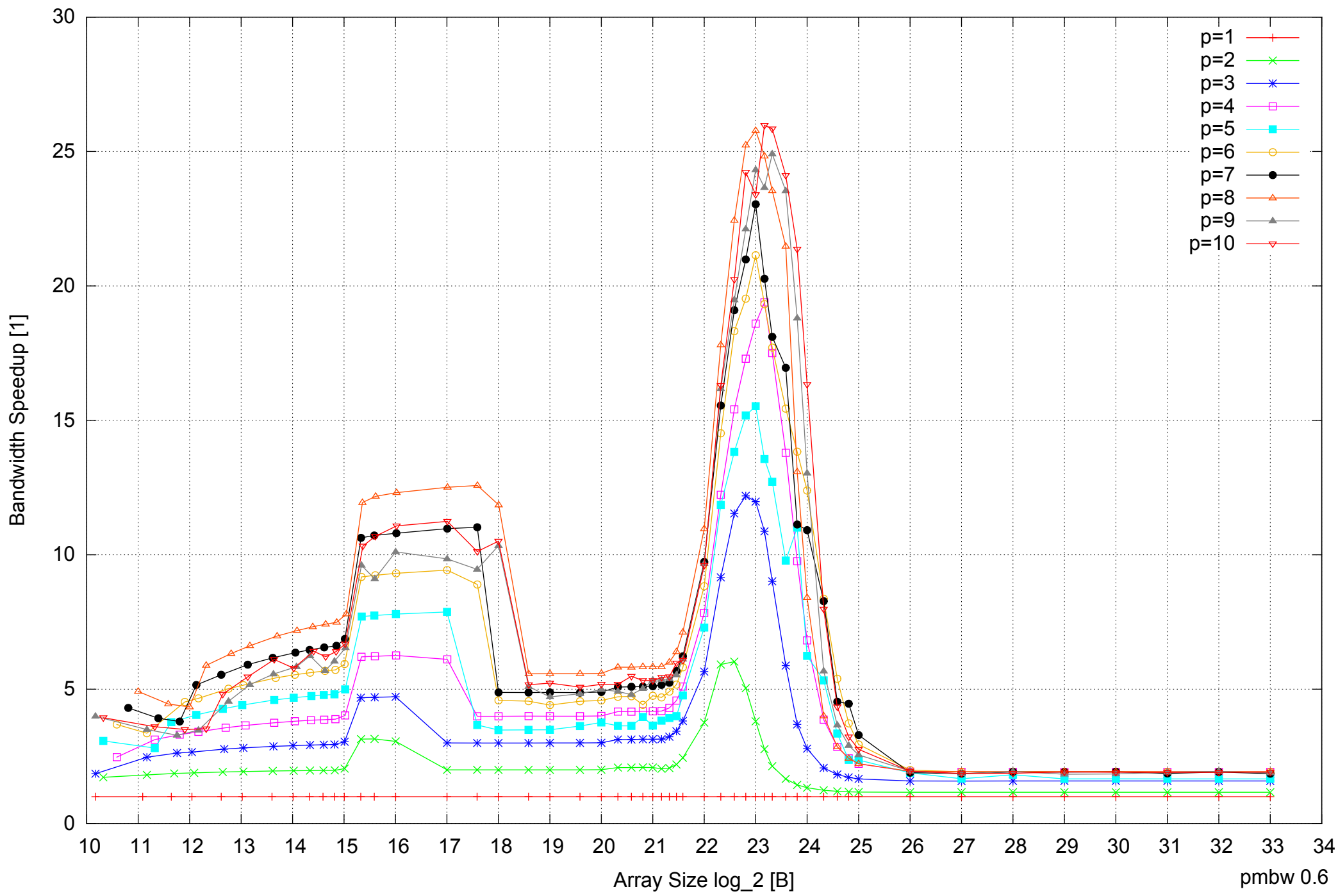
Intel Xeon E5345 16GB - Memory Bandwidth - ScanWrite64PtrSimpleLoop



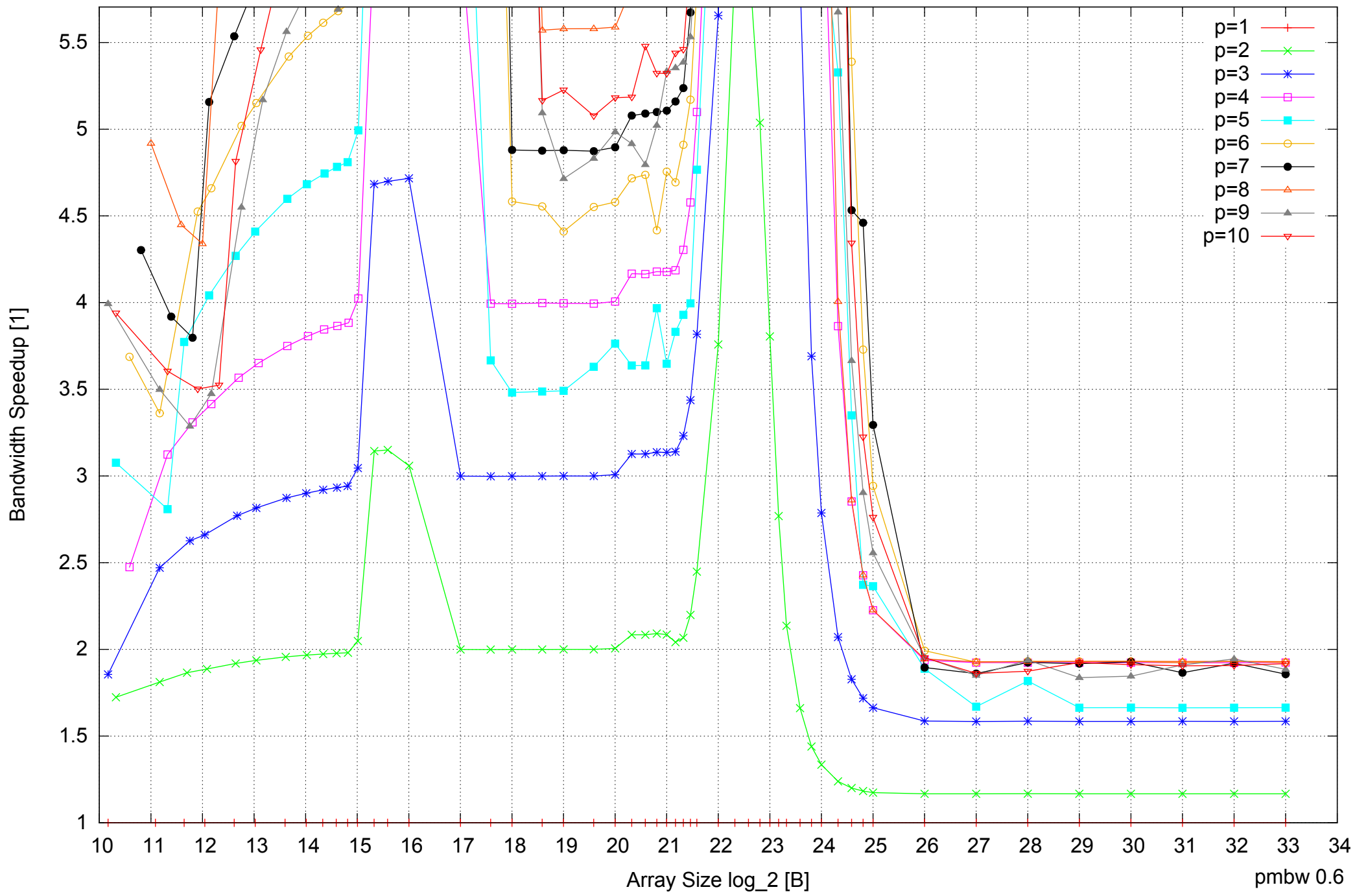
Intel Xeon E5345 16GB - Memory Latency - ScanWrite64PtrSimpleLoop



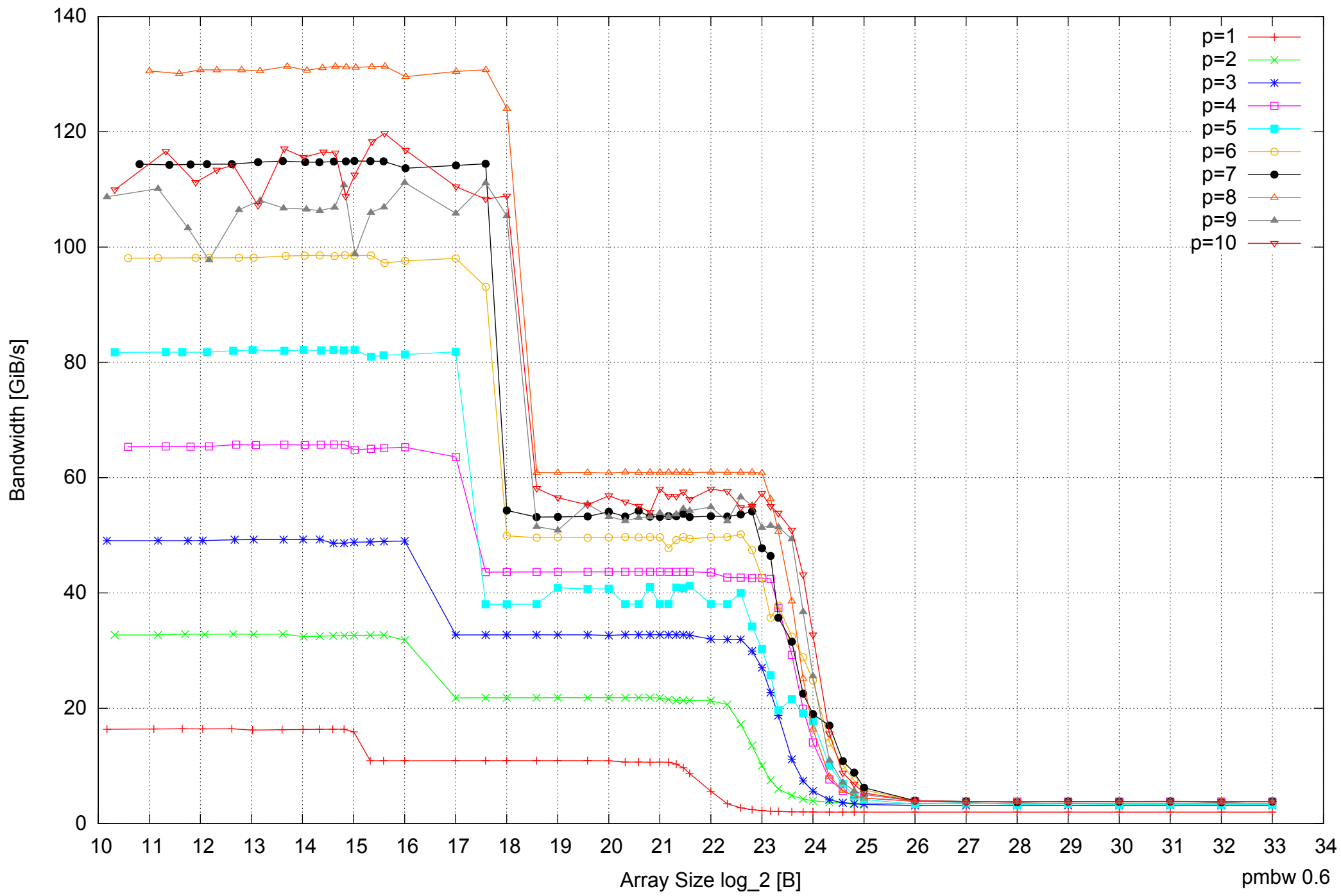
Intel Xeon E5345 16GB - Speedup of Memory Bandwidth - ScanWrite64PtrSimpleLoop



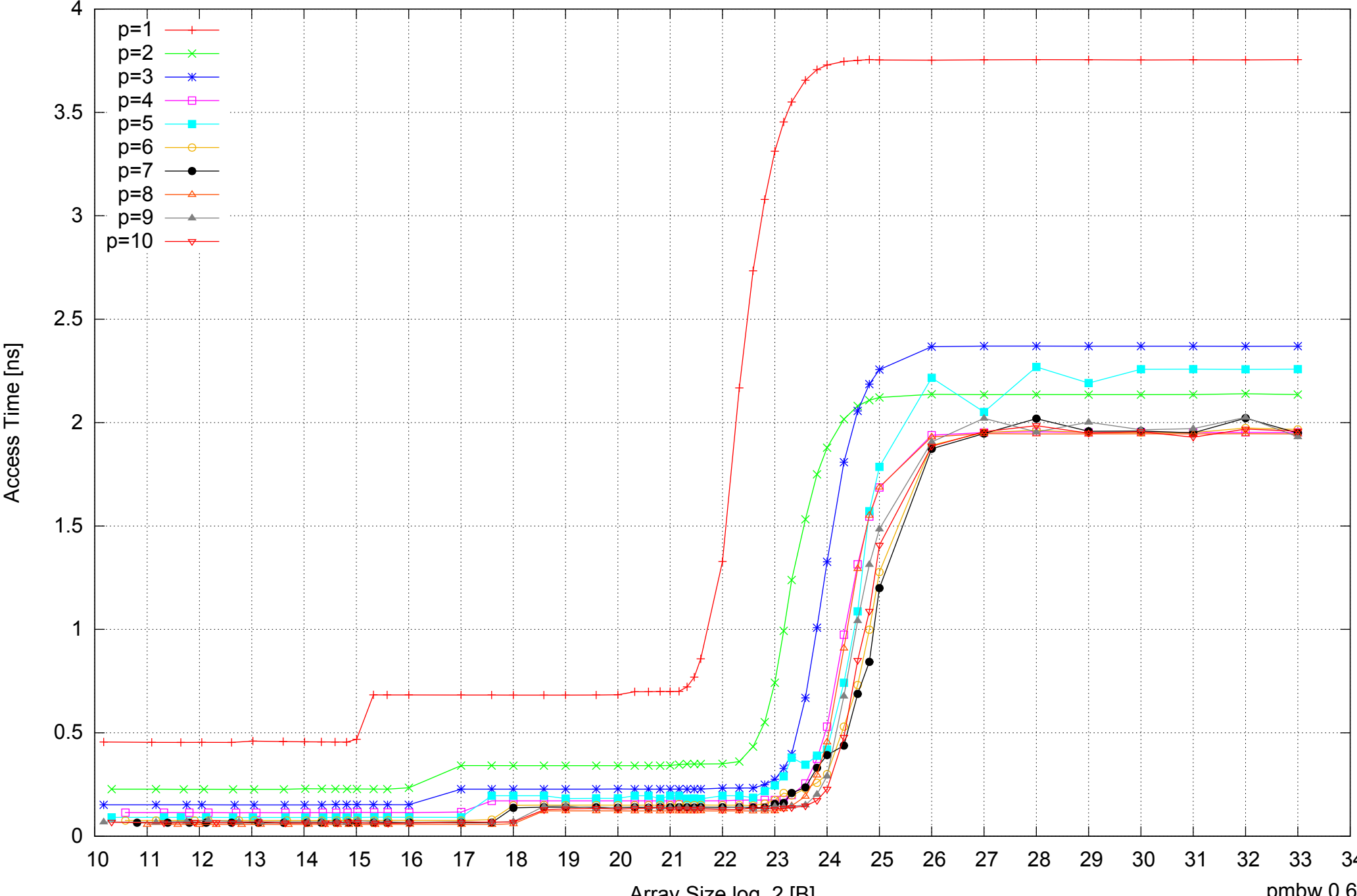
Intel Xeon E5345 16GB - Speedup of Memory Bandwidth (enlarged) - ScanWrite64PtrSimpleLoop



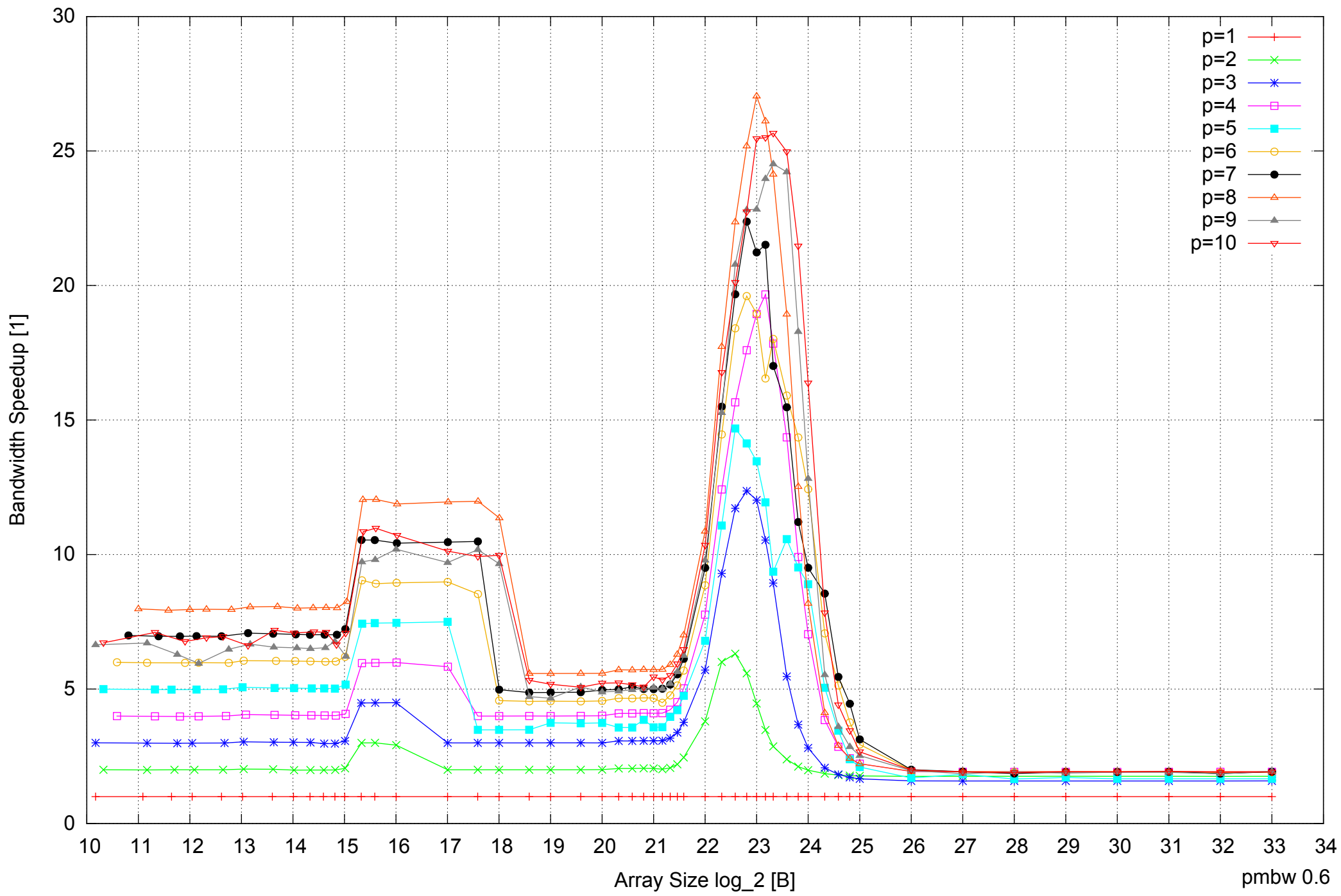
Intel Xeon E5345 16GB - Memory Bandwidth - ScanWrite64PtrUnrollLoop



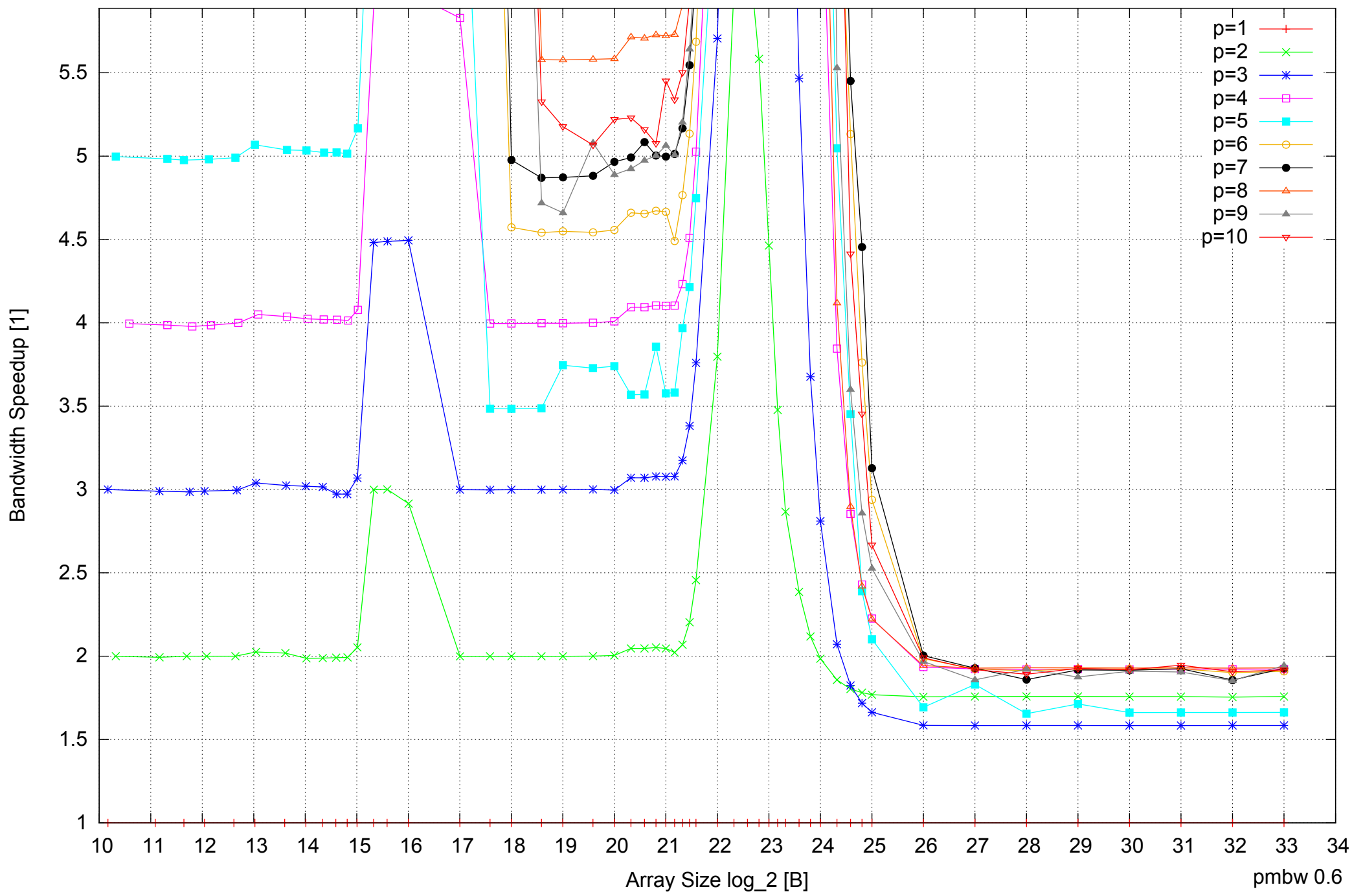
Intel Xeon E5345 16GB - Memory Latency - ScanWrite64PtrUnrollLoop



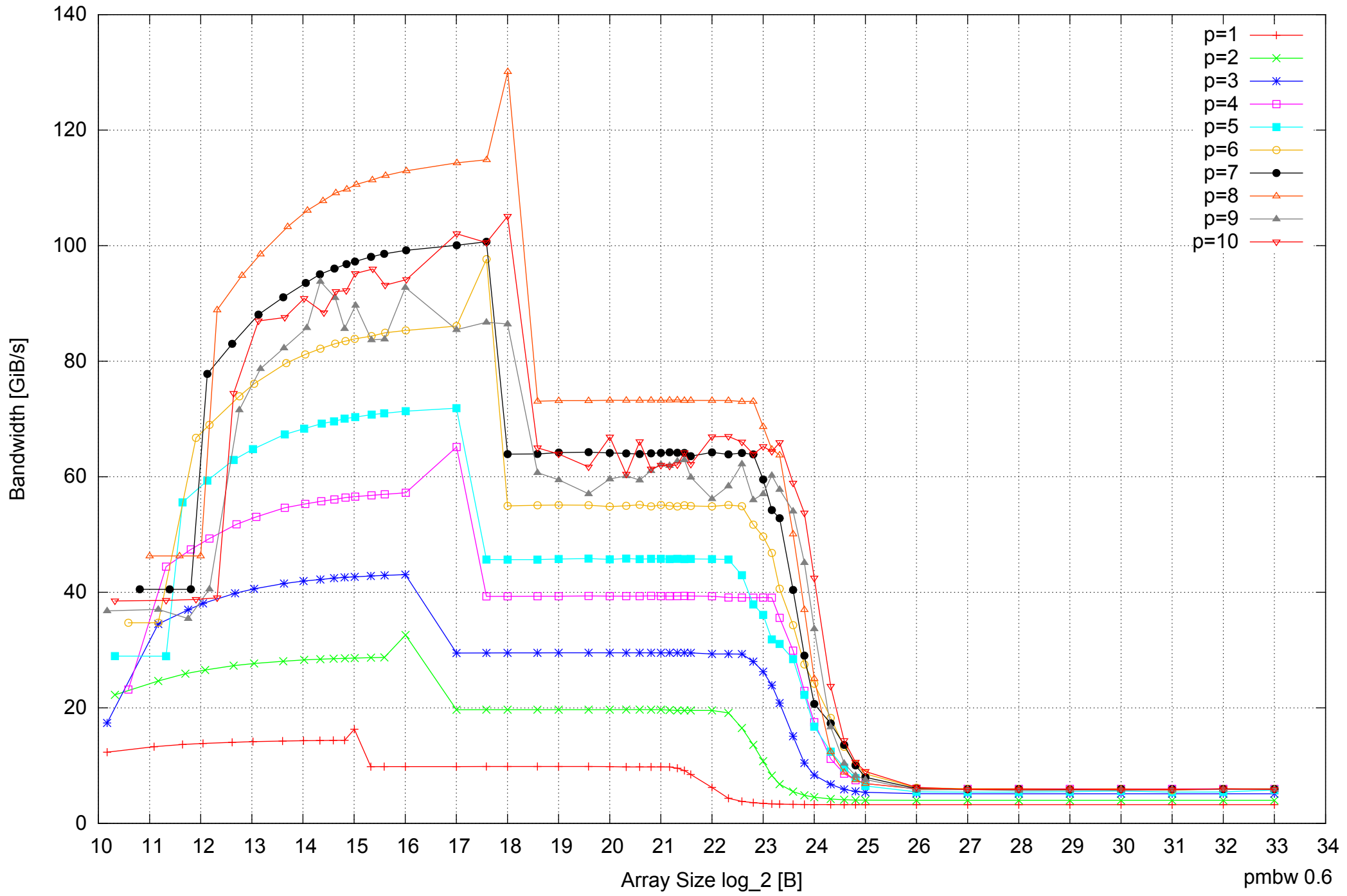
Intel Xeon E5345 16GB - Speedup of Memory Bandwidth - ScanWrite64PtrUnrollLoop



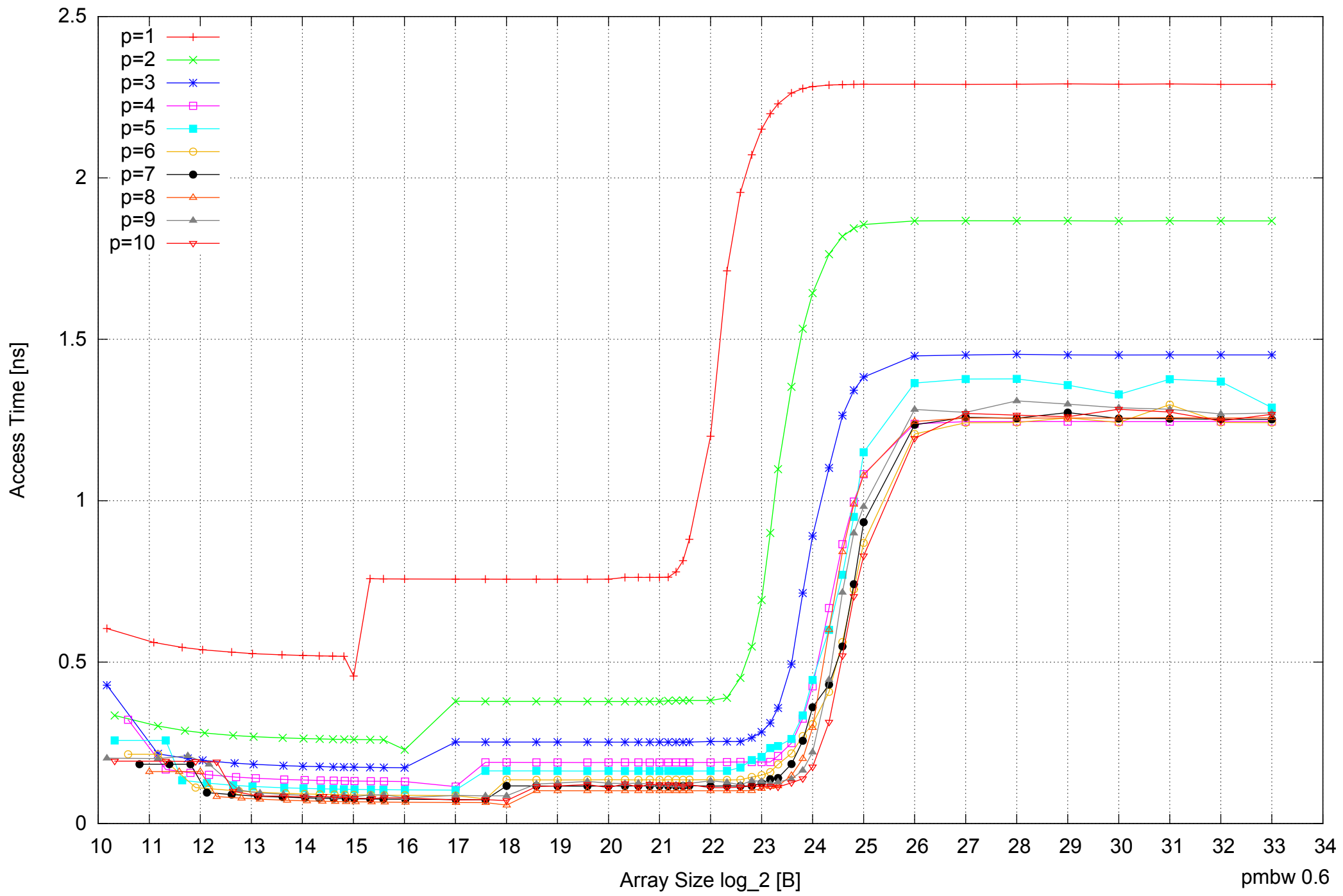
Intel Xeon E5345 16GB - Speedup of Memory Bandwidth (enlarged) - ScanWrite64PtrUnrollLoop



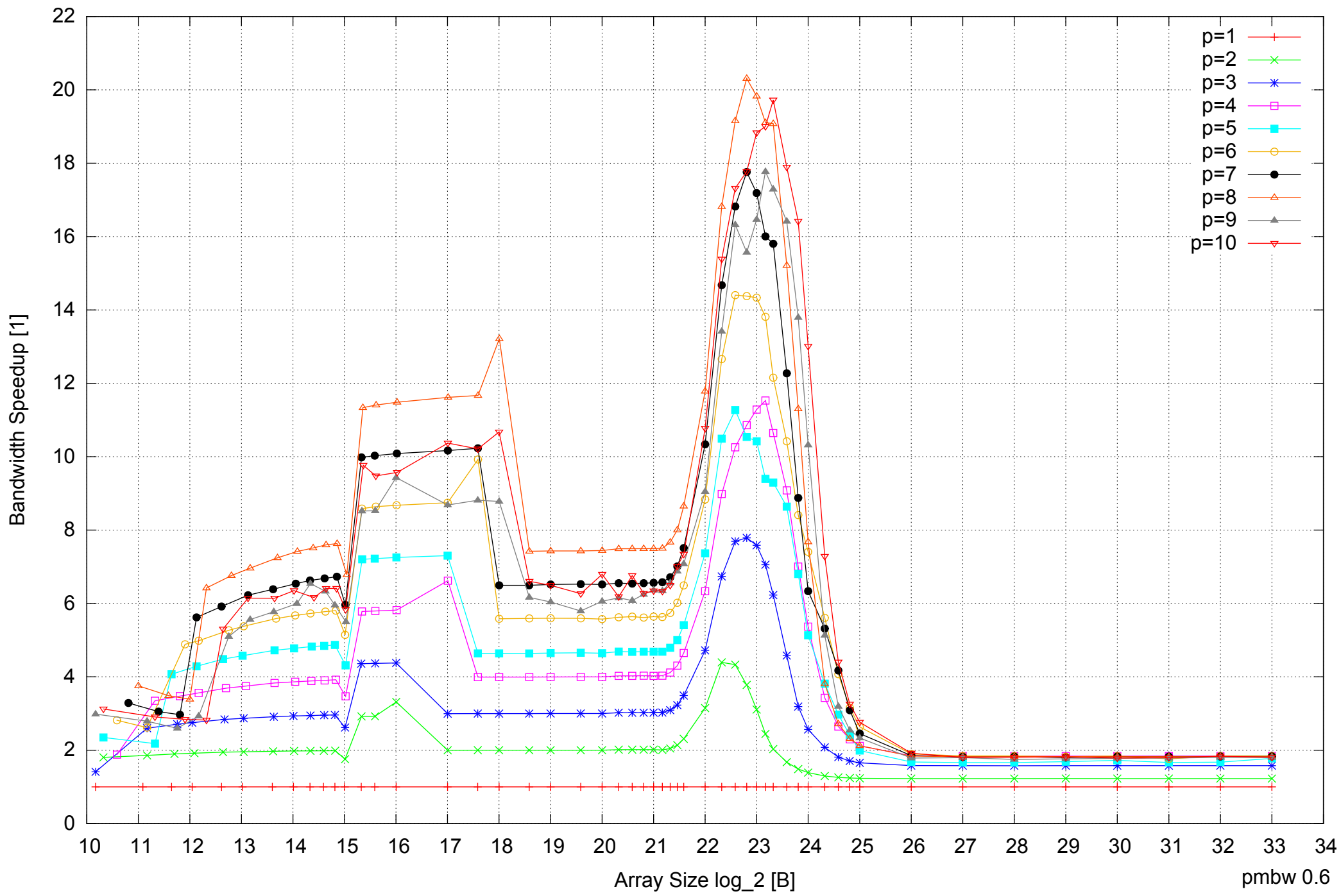
Intel Xeon E5345 16GB - Memory Bandwidth - ScanRead64PtrSimpleLoop



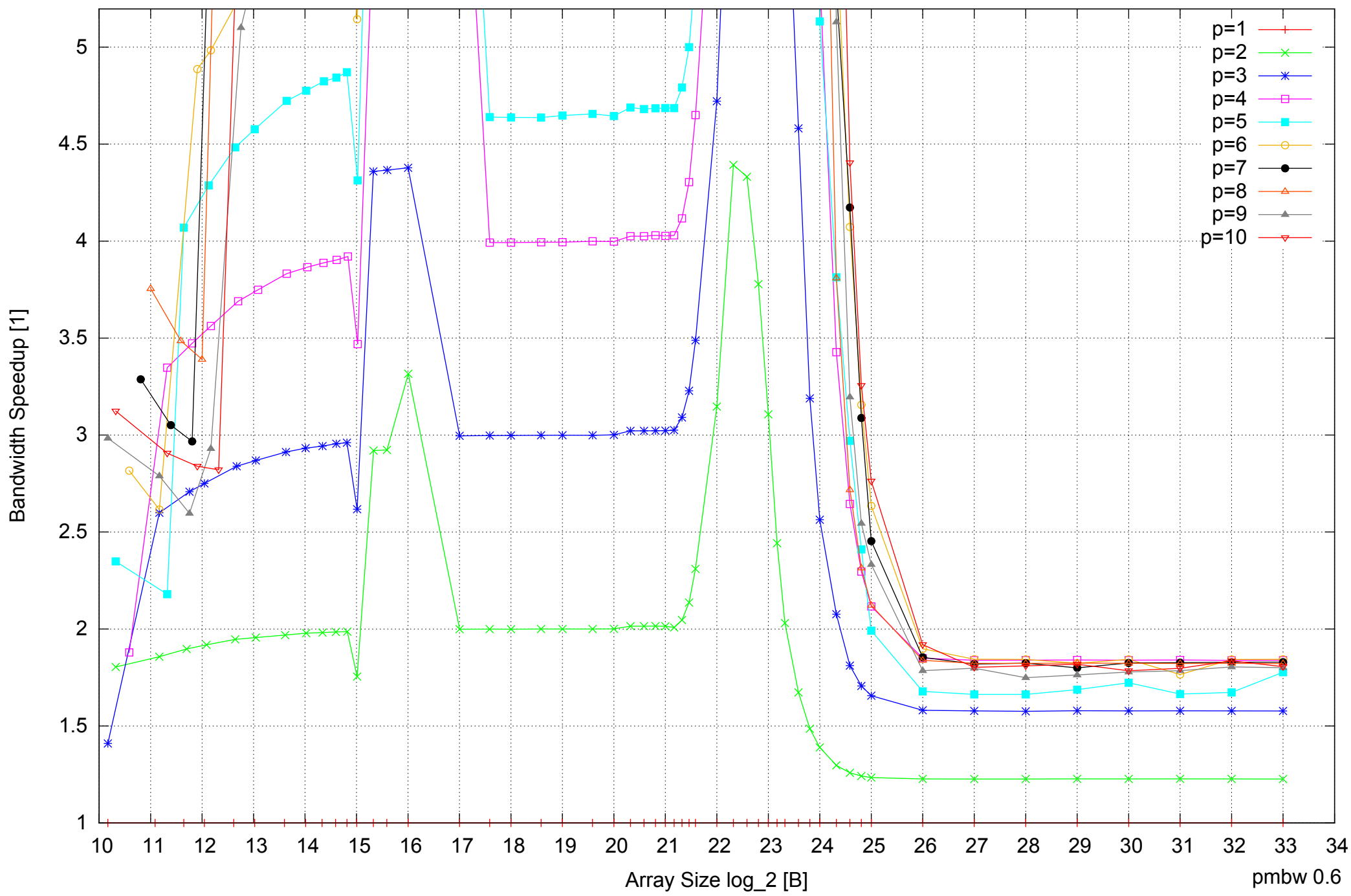
Intel Xeon E5345 16GB - Memory Latency - ScanRead64PtrSimpleLoop



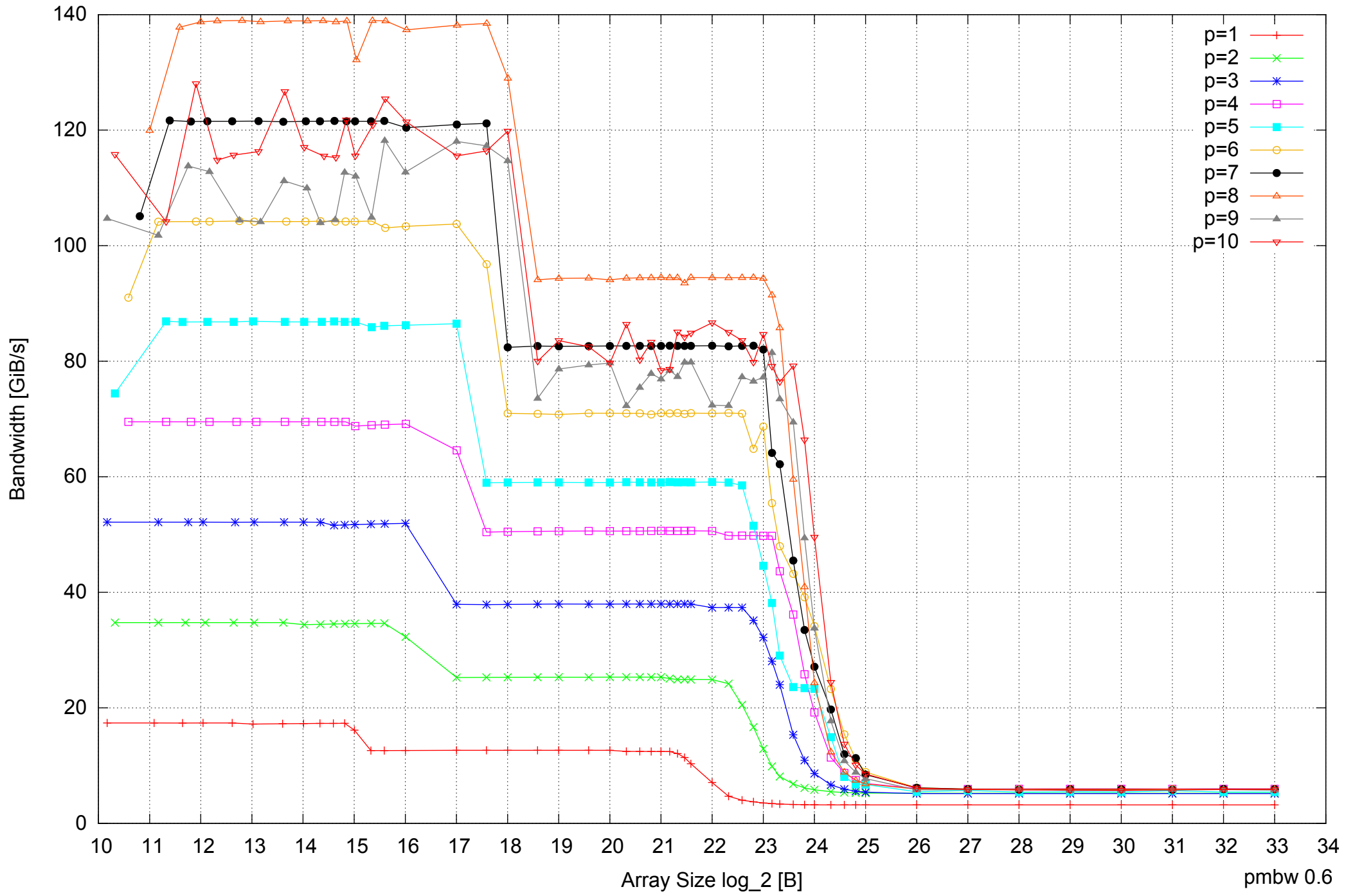
Intel Xeon E5345 16GB - Speedup of Memory Bandwidth - ScanRead64PtrSimpleLoop



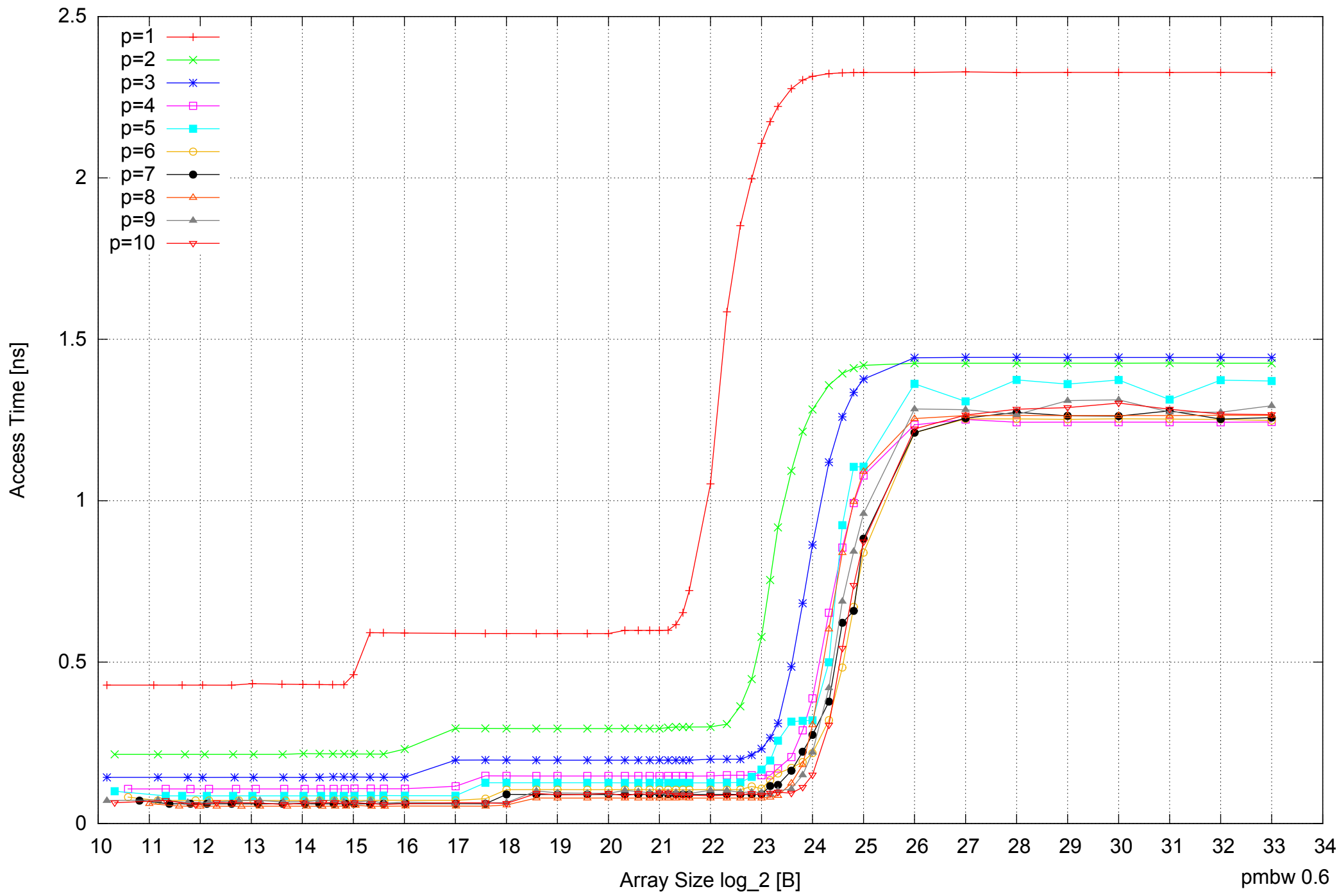
Intel Xeon E5345 16GB - Speedup of Memory Bandwidth (enlarged) - ScanRead64PtrSimpleLoop



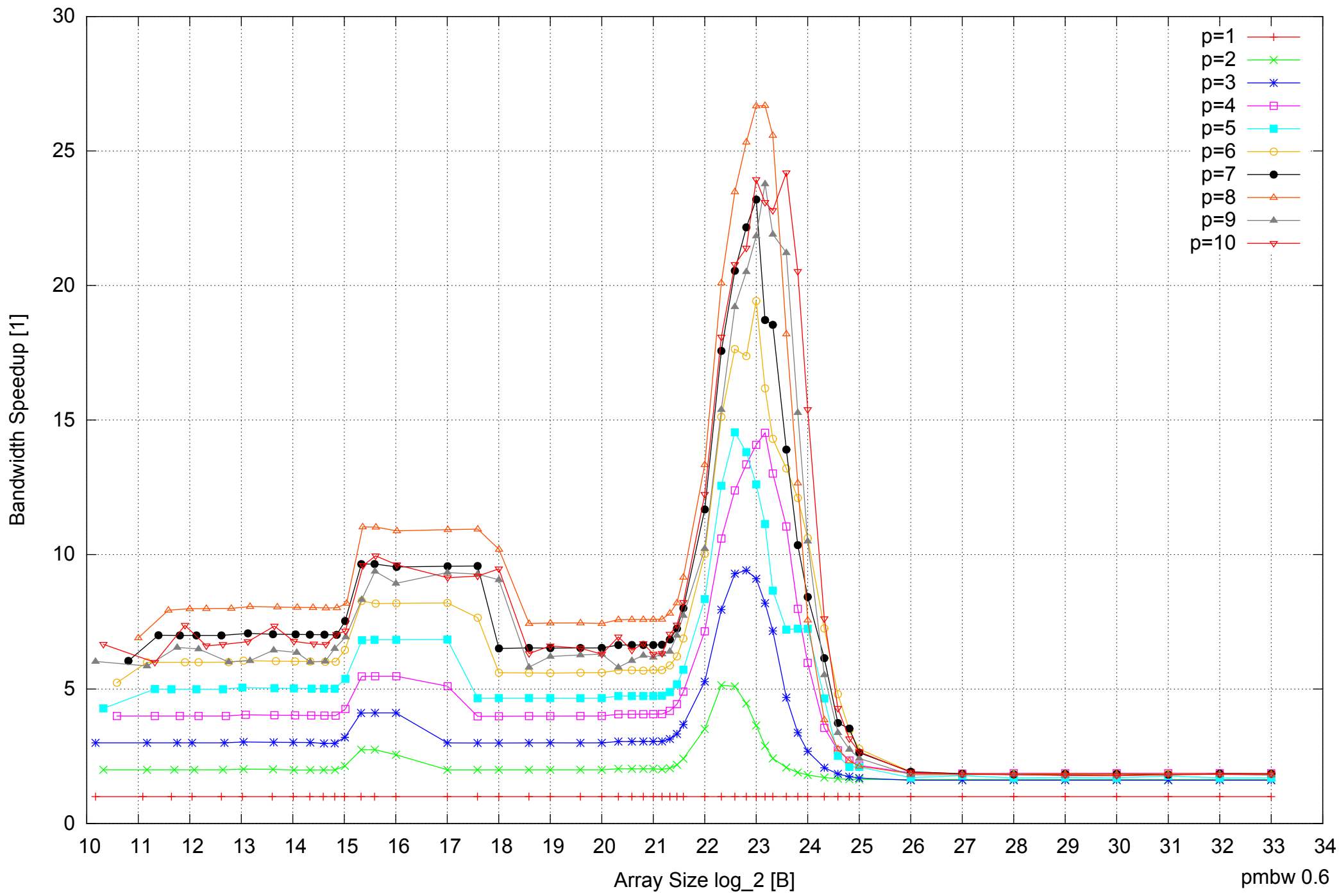
Intel Xeon E5345 16GB - Memory Bandwidth - ScanRead64PtrUnrollLoop



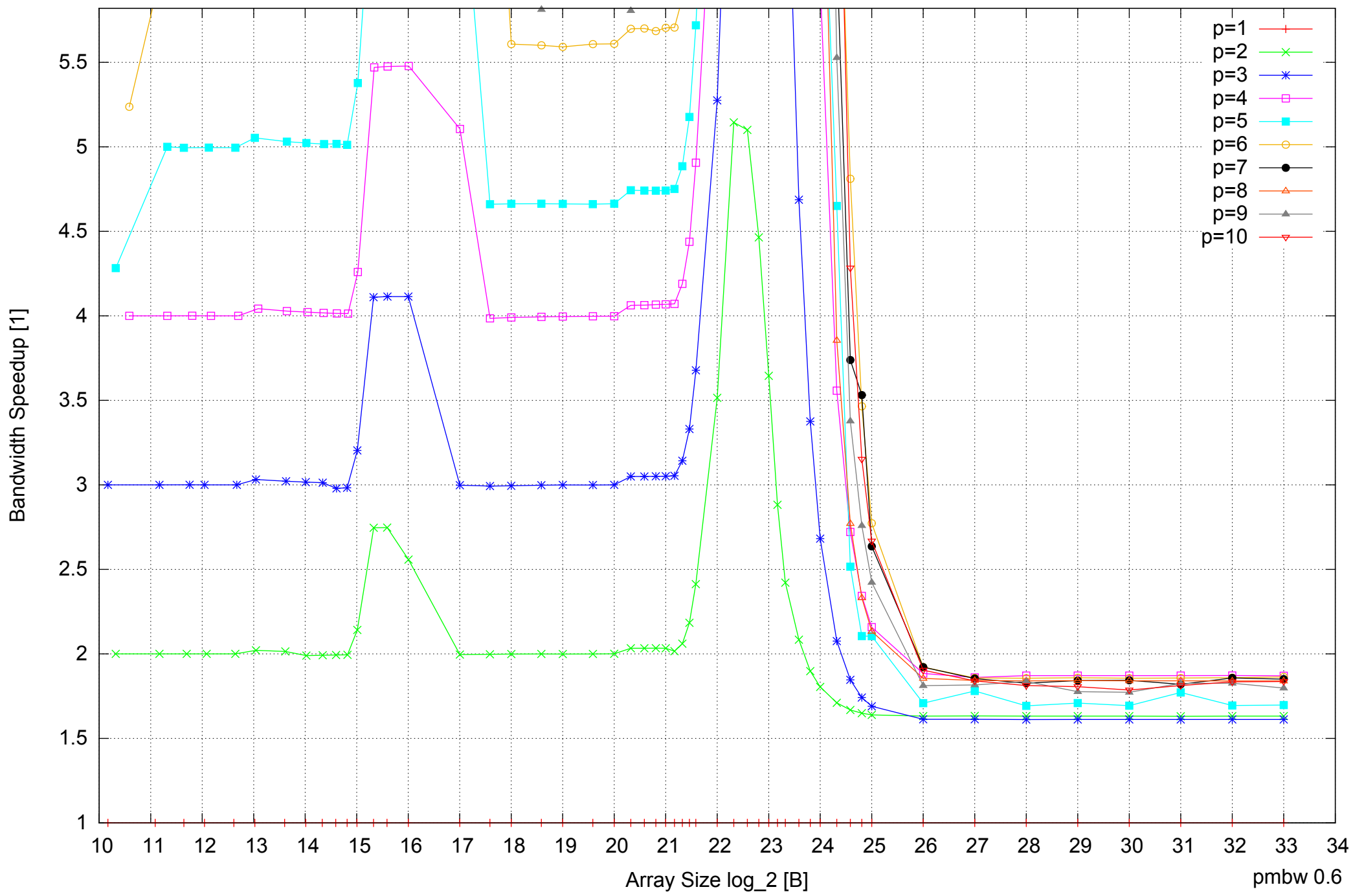
Intel Xeon E5345 16GB - Memory Latency - ScanRead64PtrUnrollLoop



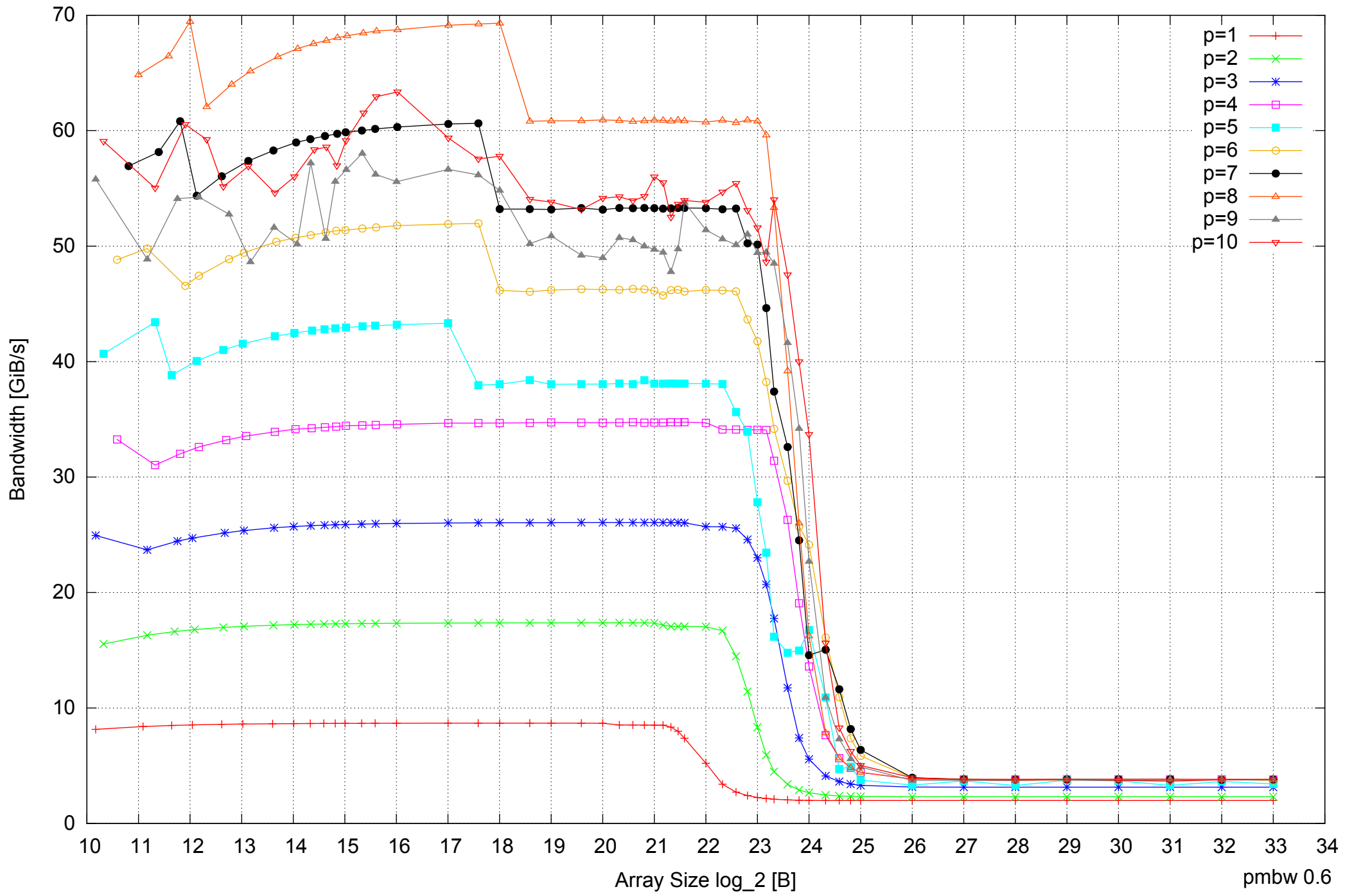
Intel Xeon E5345 16GB - Speedup of Memory Bandwidth - ScanRead64PtrUnrollLoop



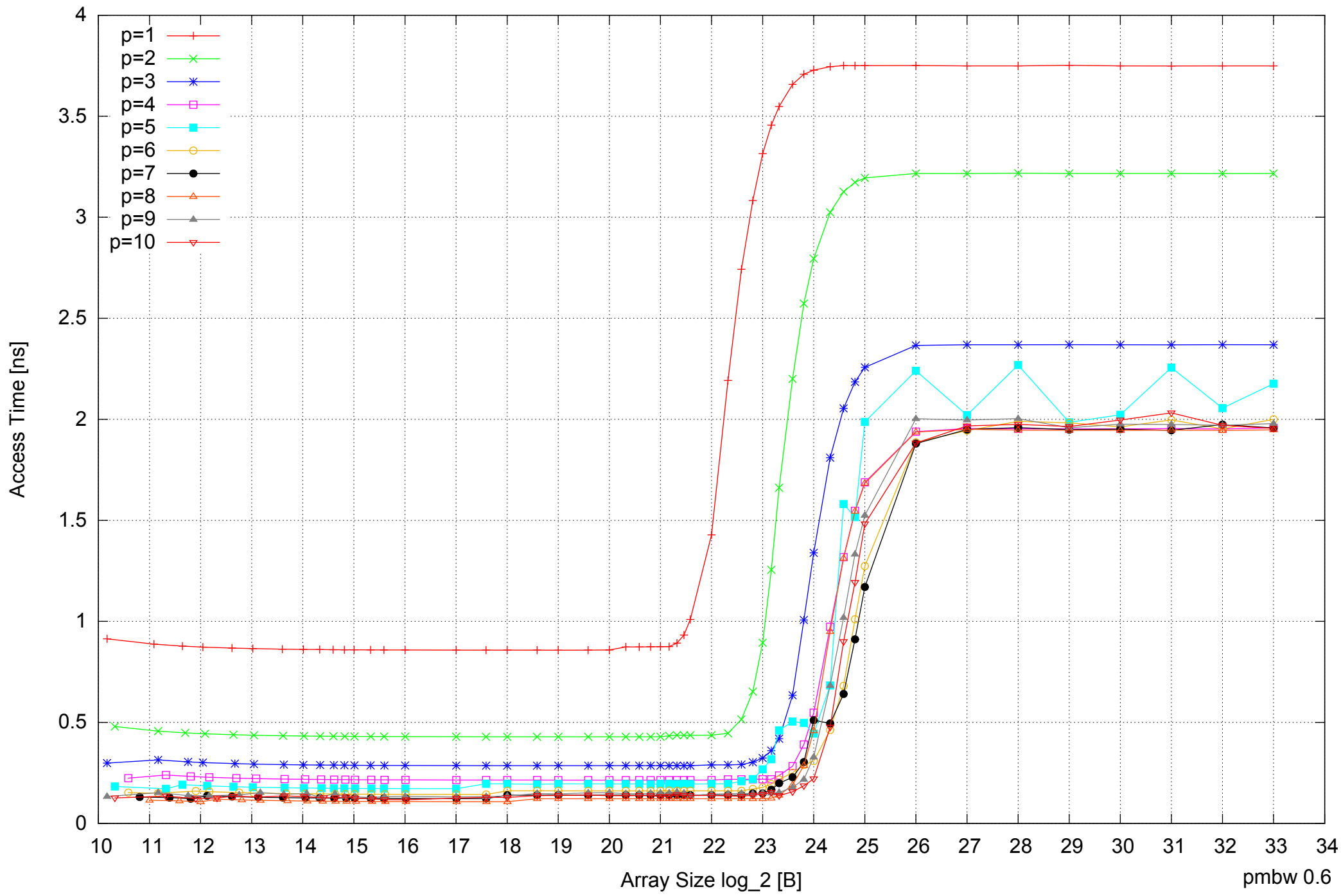
Intel Xeon E5345 16GB - Speedup of Memory Bandwidth (enlarged) - ScanRead64PtrUnrollLoop



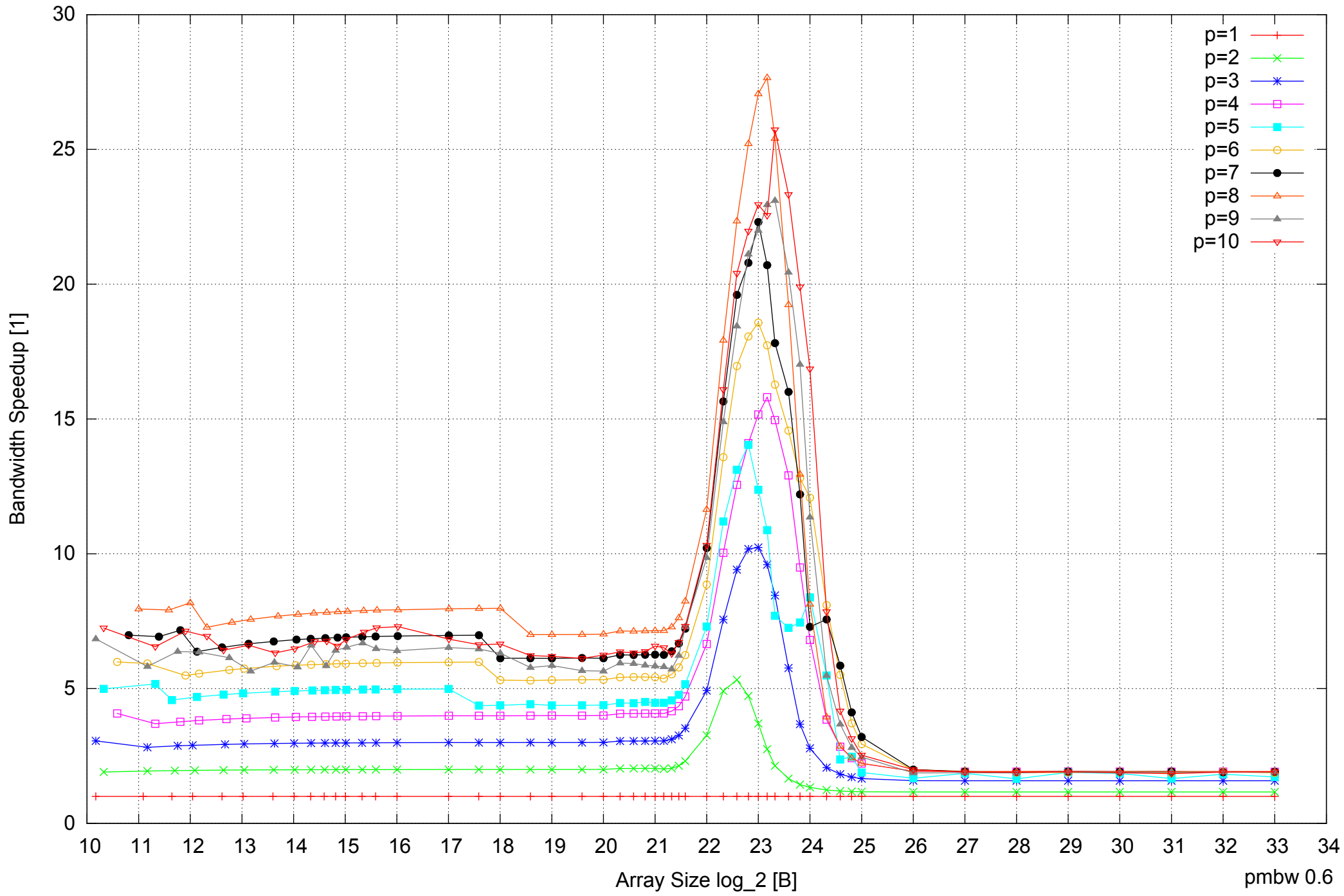
Intel Xeon E5345 16GB - Memory Bandwidth - ScanWrite64IndexSimpleLoop



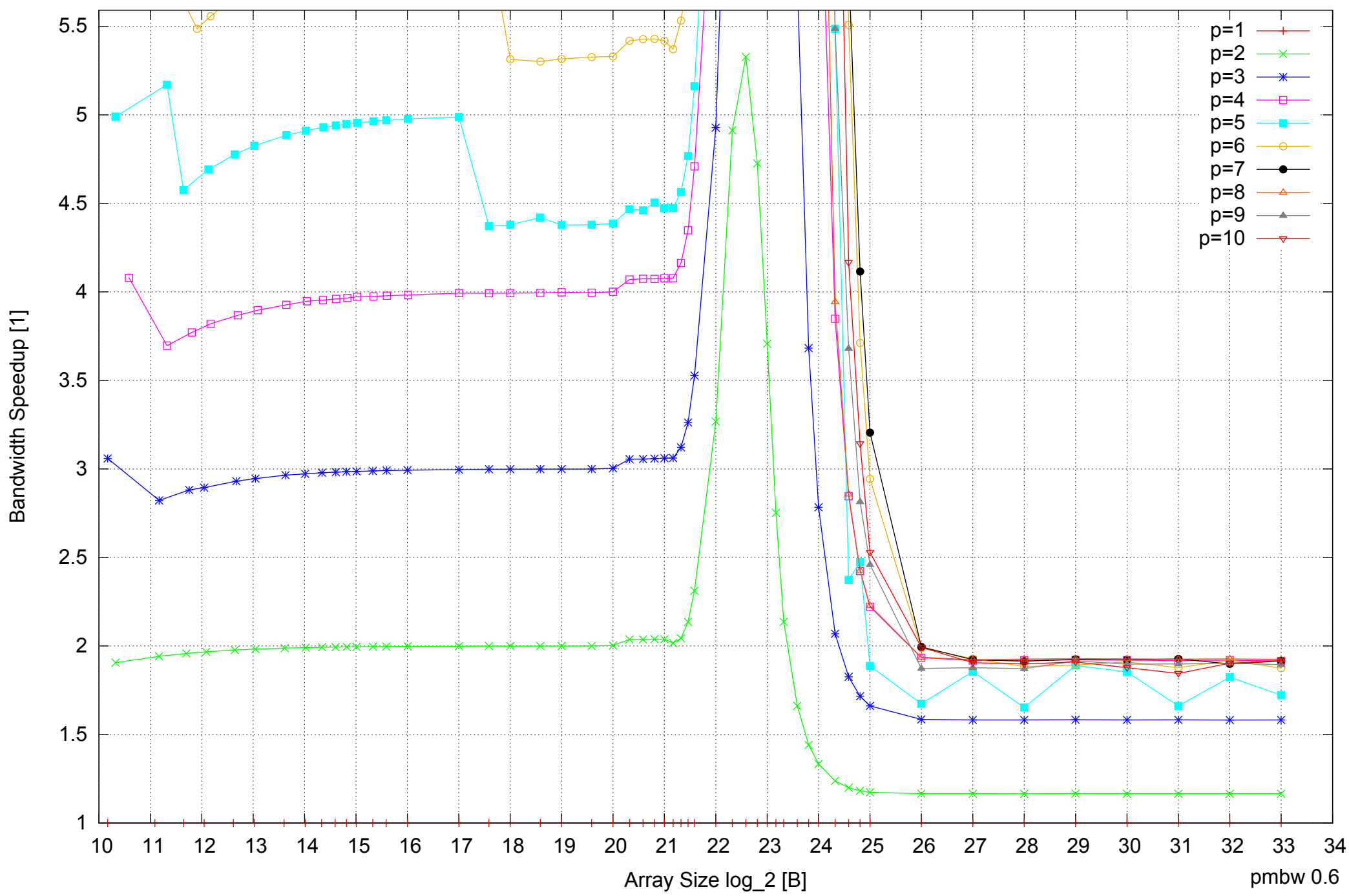
Intel Xeon E5345 16GB - Memory Latency - ScanWrite64IndexSimpleLoop



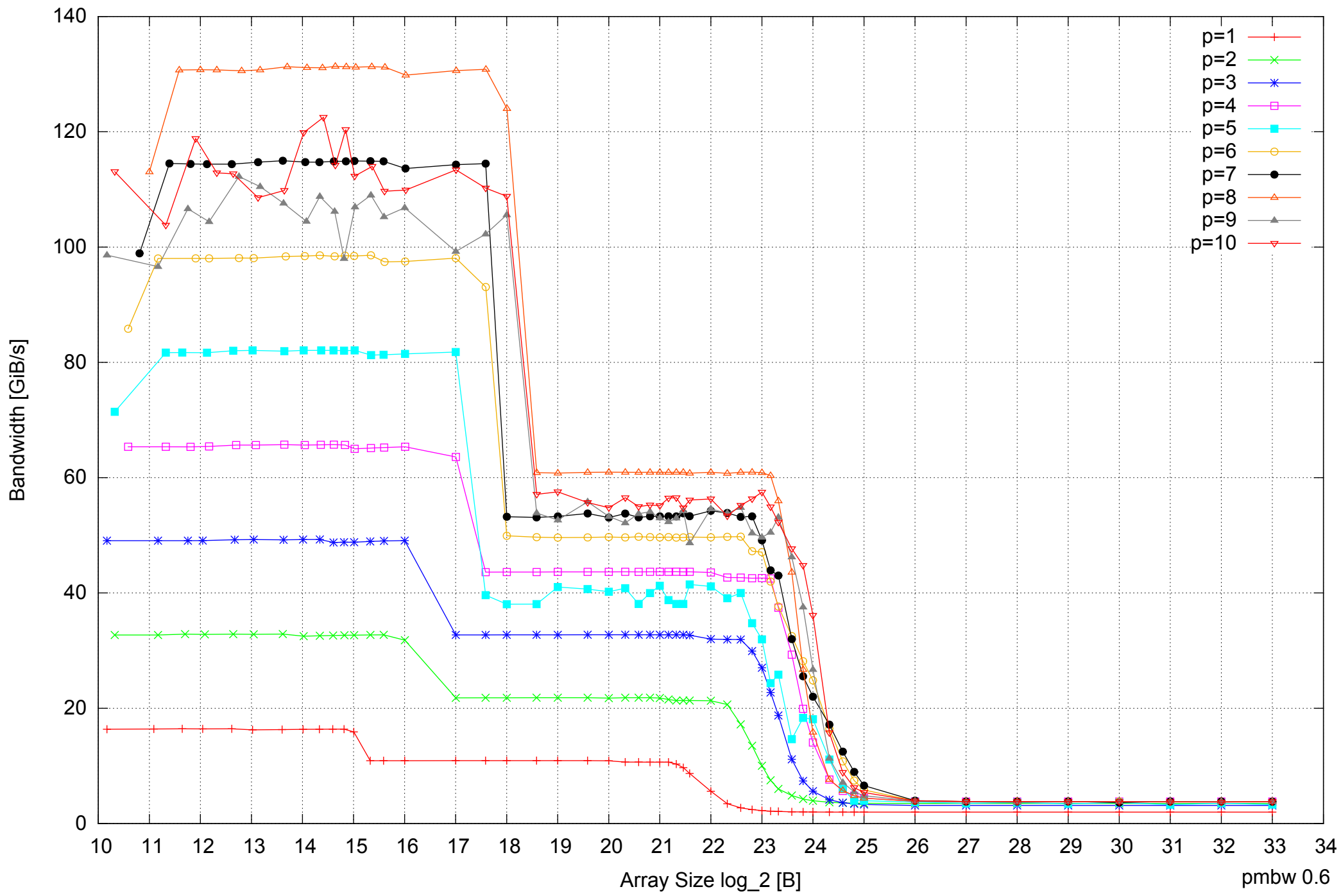
Intel Xeon E5345 16GB - Speedup of Memory Bandwidth - ScanWrite64IndexSimpleLoop



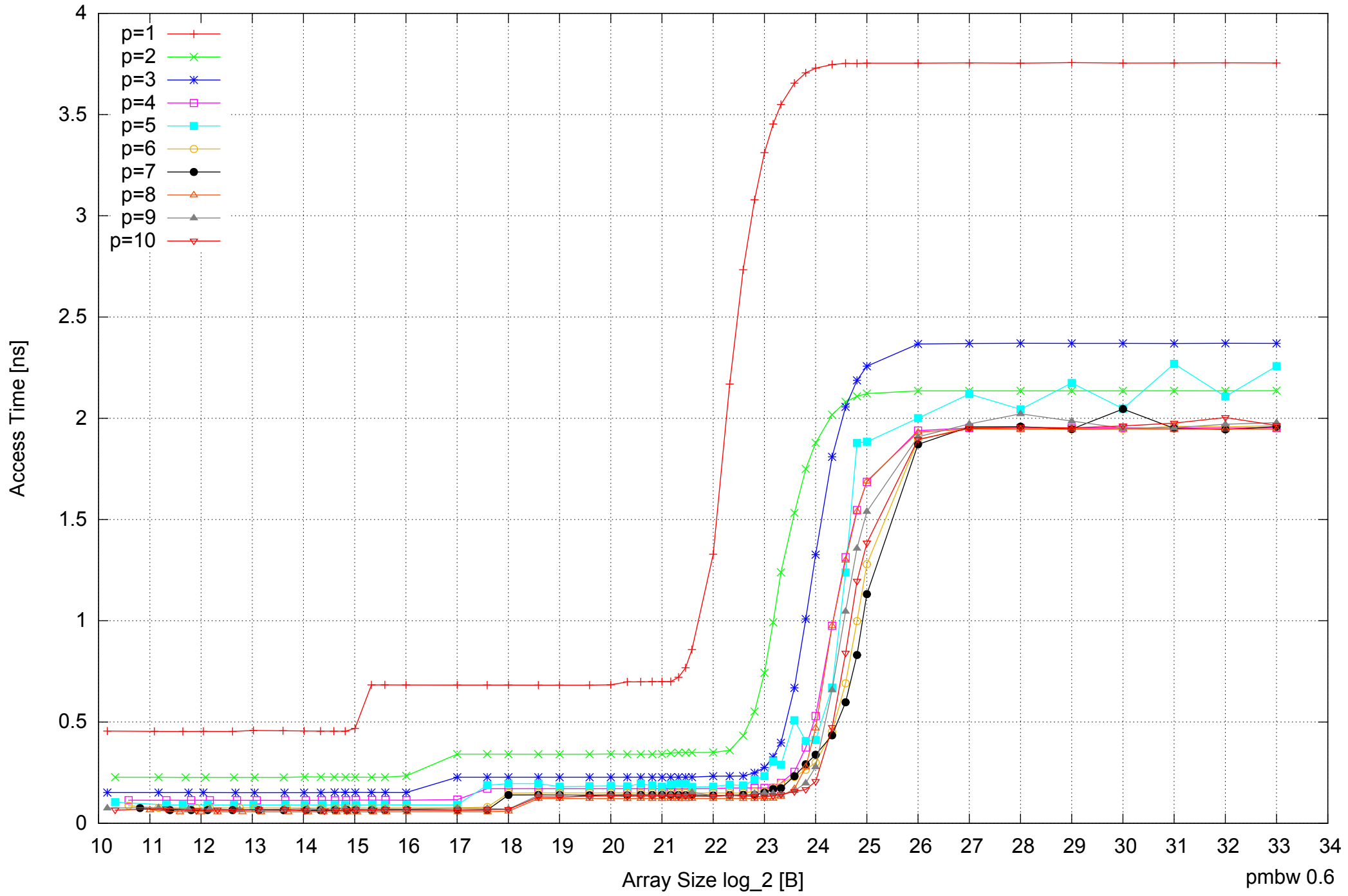
Intel Xeon E5345 16GB - Speedup of Memory Bandwidth (enlarged) - ScanWrite64IndexSimpleLoop



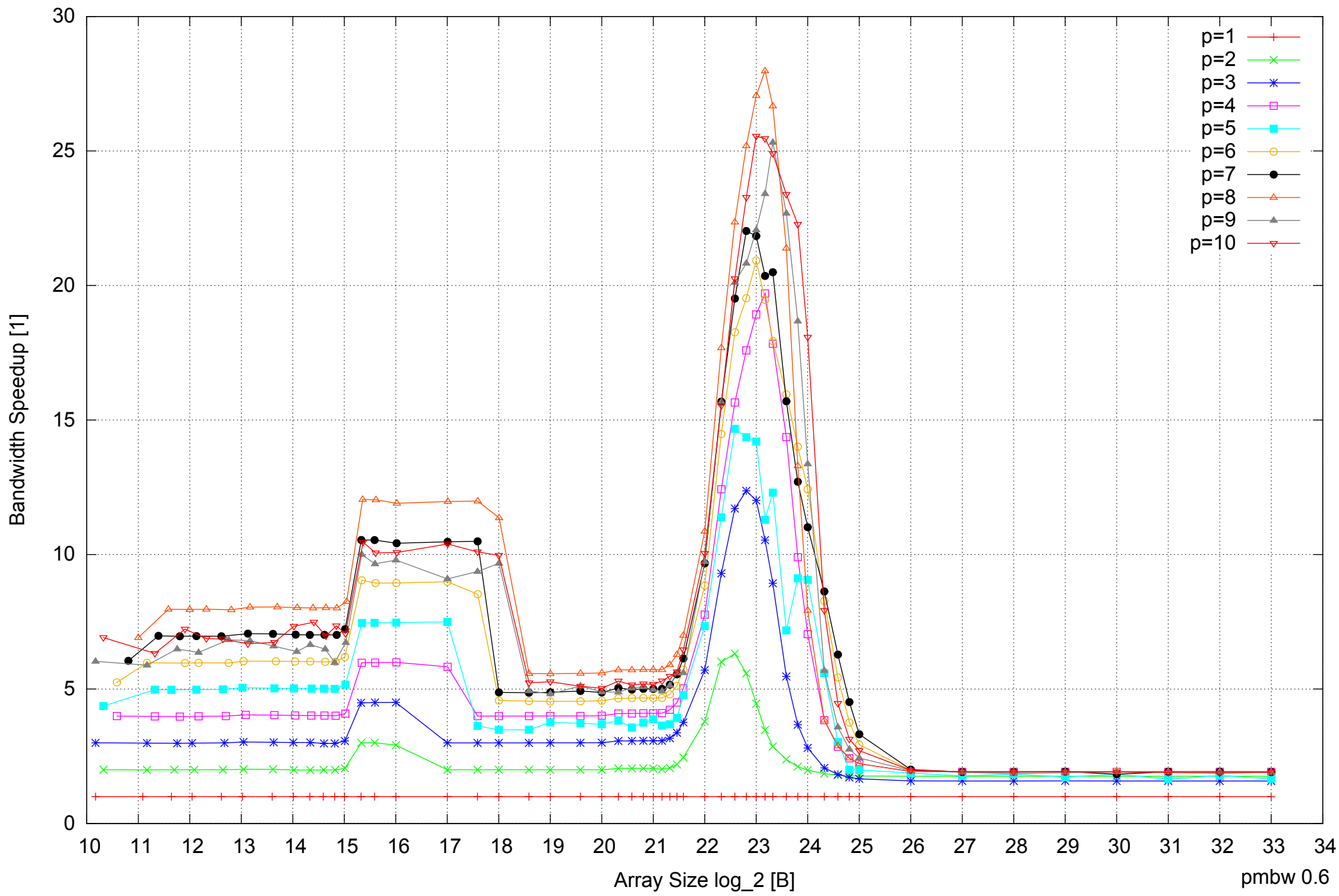
Intel Xeon E5345 16GB - Memory Bandwidth - ScanWrite64IndexUnrollLoop



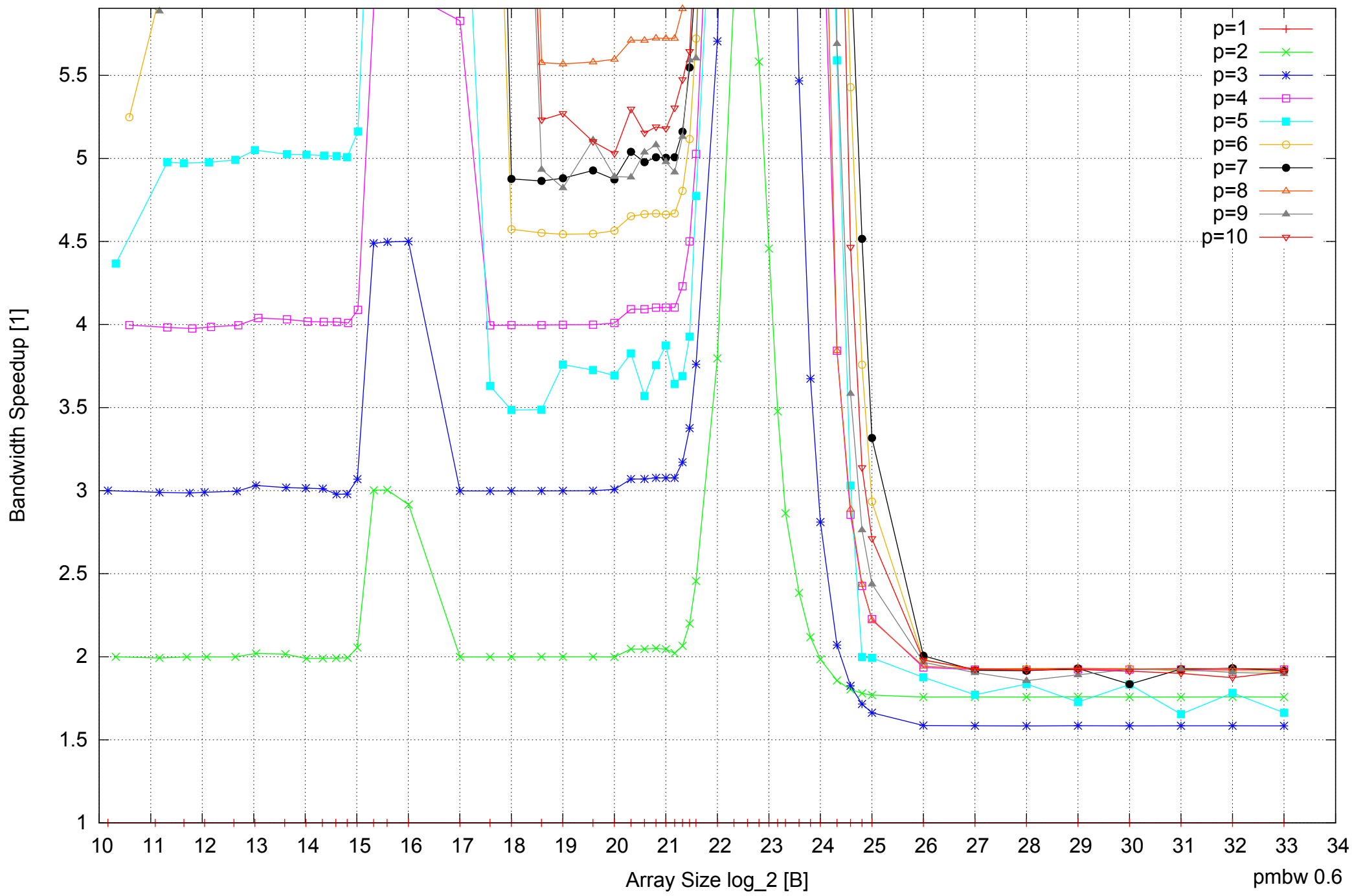
Intel Xeon E5345 16GB - Memory Latency - ScanWrite64IndexUnrollLoop



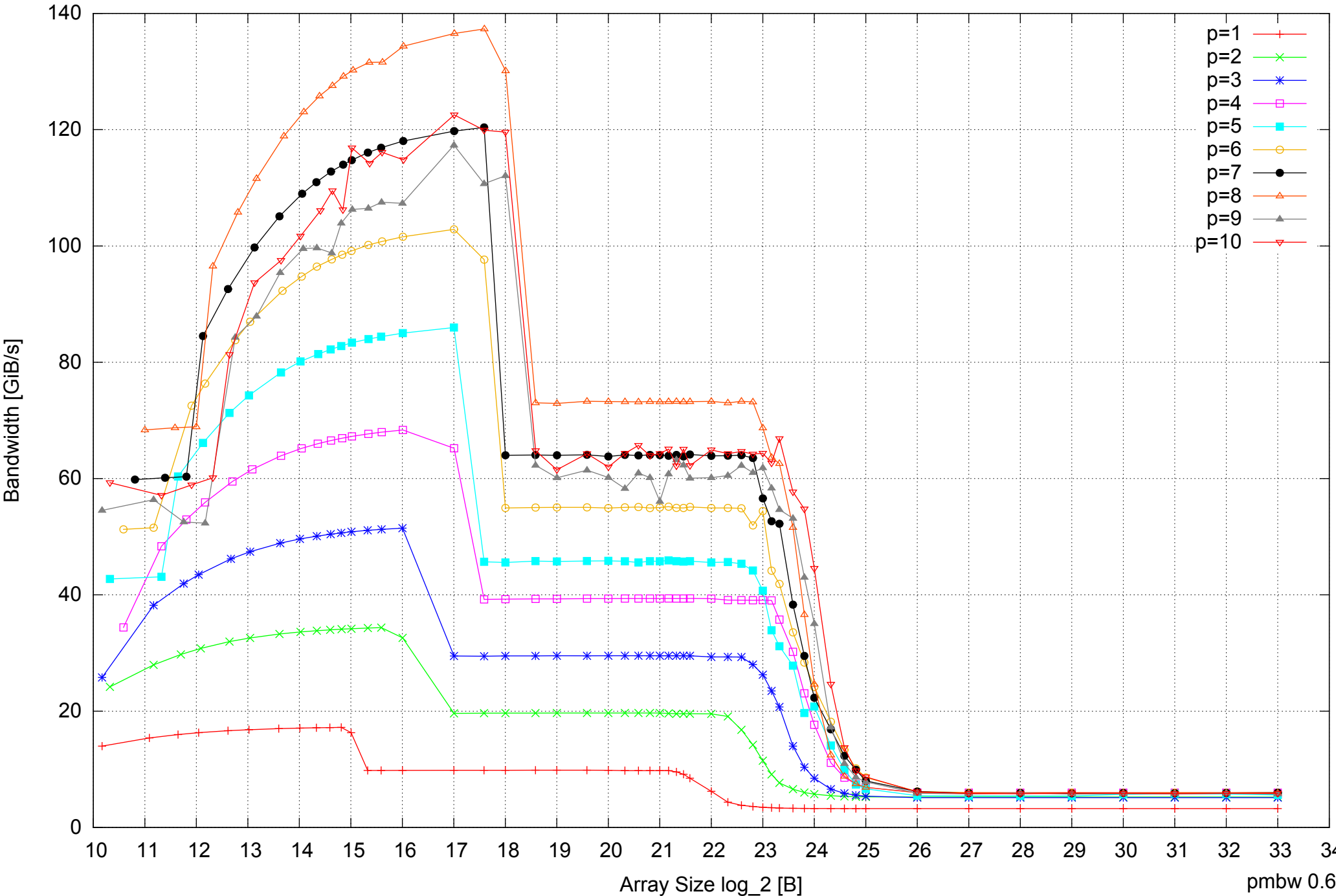
Intel Xeon E5345 16GB - Speedup of Memory Bandwidth - ScanWrite64IndexUnrollLoop



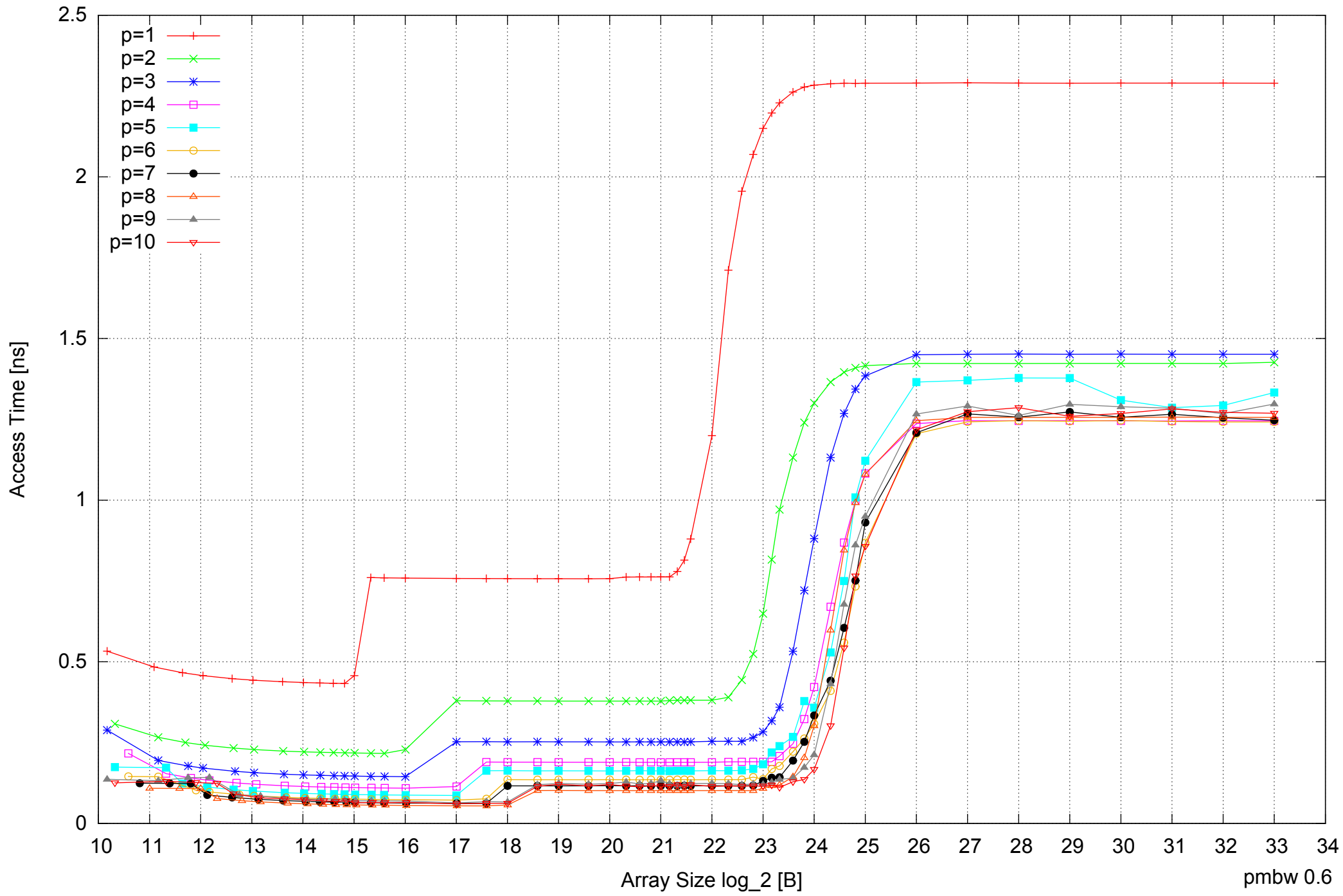
Intel Xeon E5345 16GB - Speedup of Memory Bandwidth (enlarged) - ScanWrite64IndexUnrollLoop



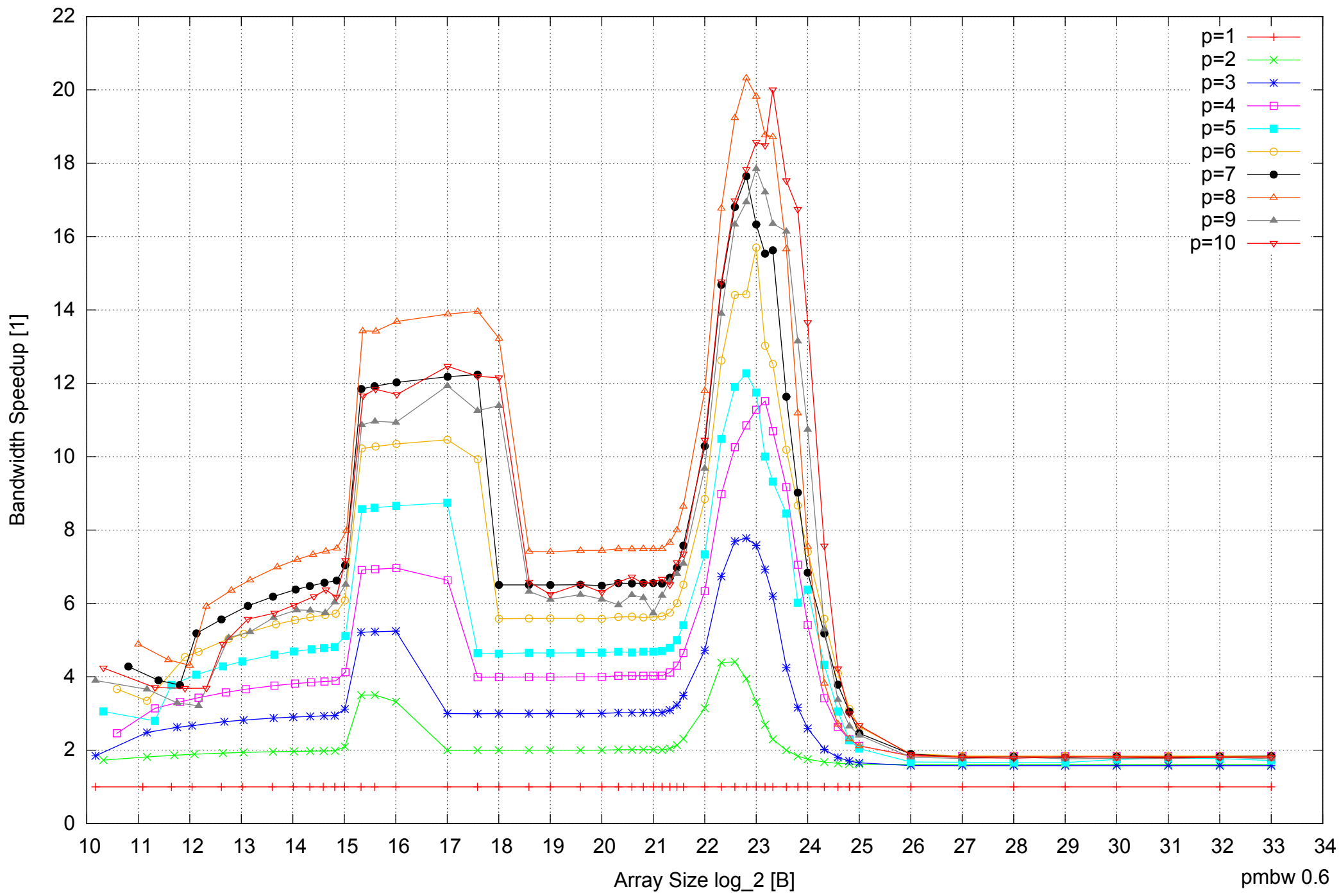
Intel Xeon E5345 16GB - Memory Bandwidth - ScanRead64IndexSimpleLoop



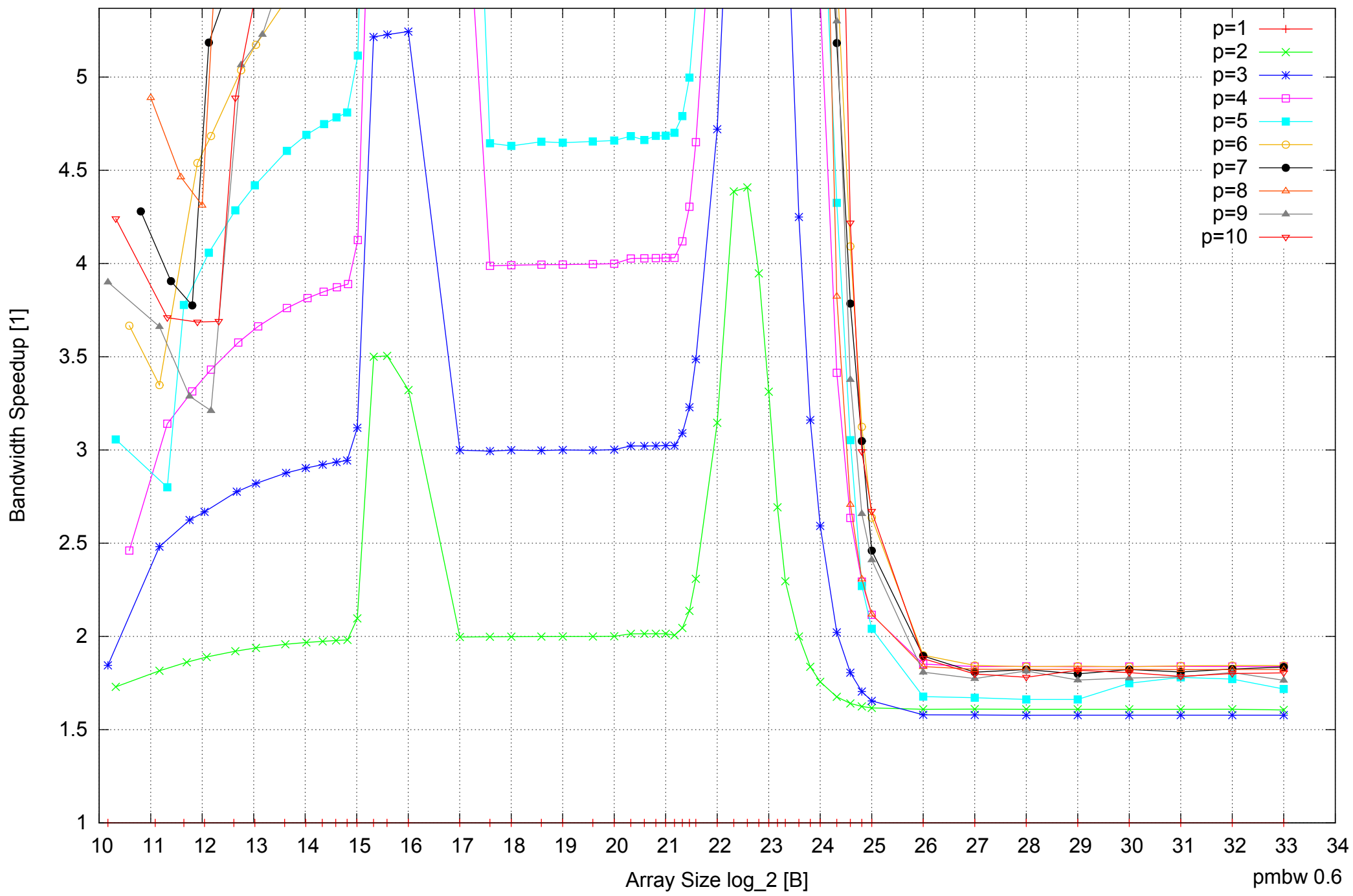
Intel Xeon E5345 16GB - Memory Latency - ScanRead64IndexSimpleLoop



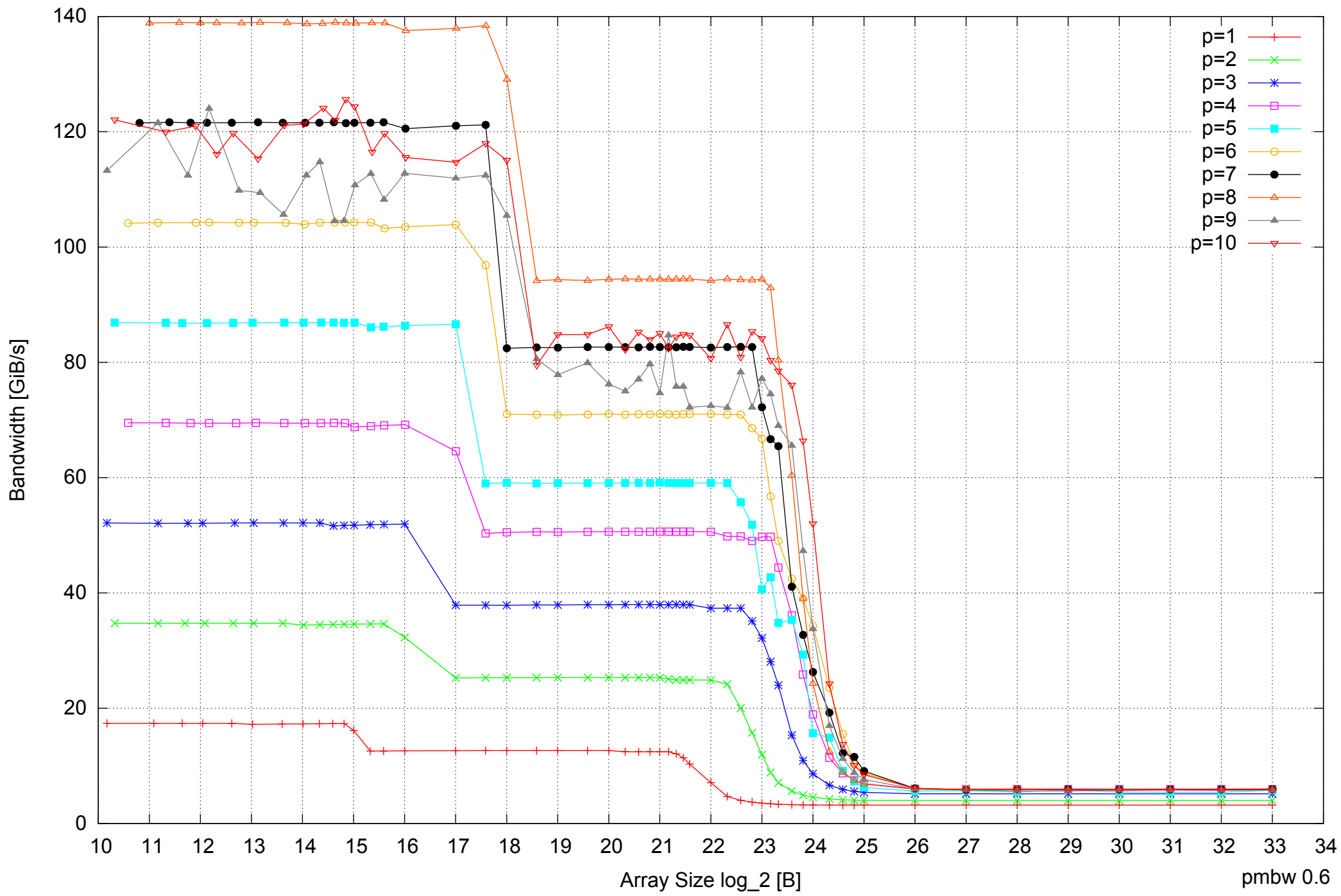
Intel Xeon E5345 16GB - Speedup of Memory Bandwidth - ScanRead64IndexSimpleLoop



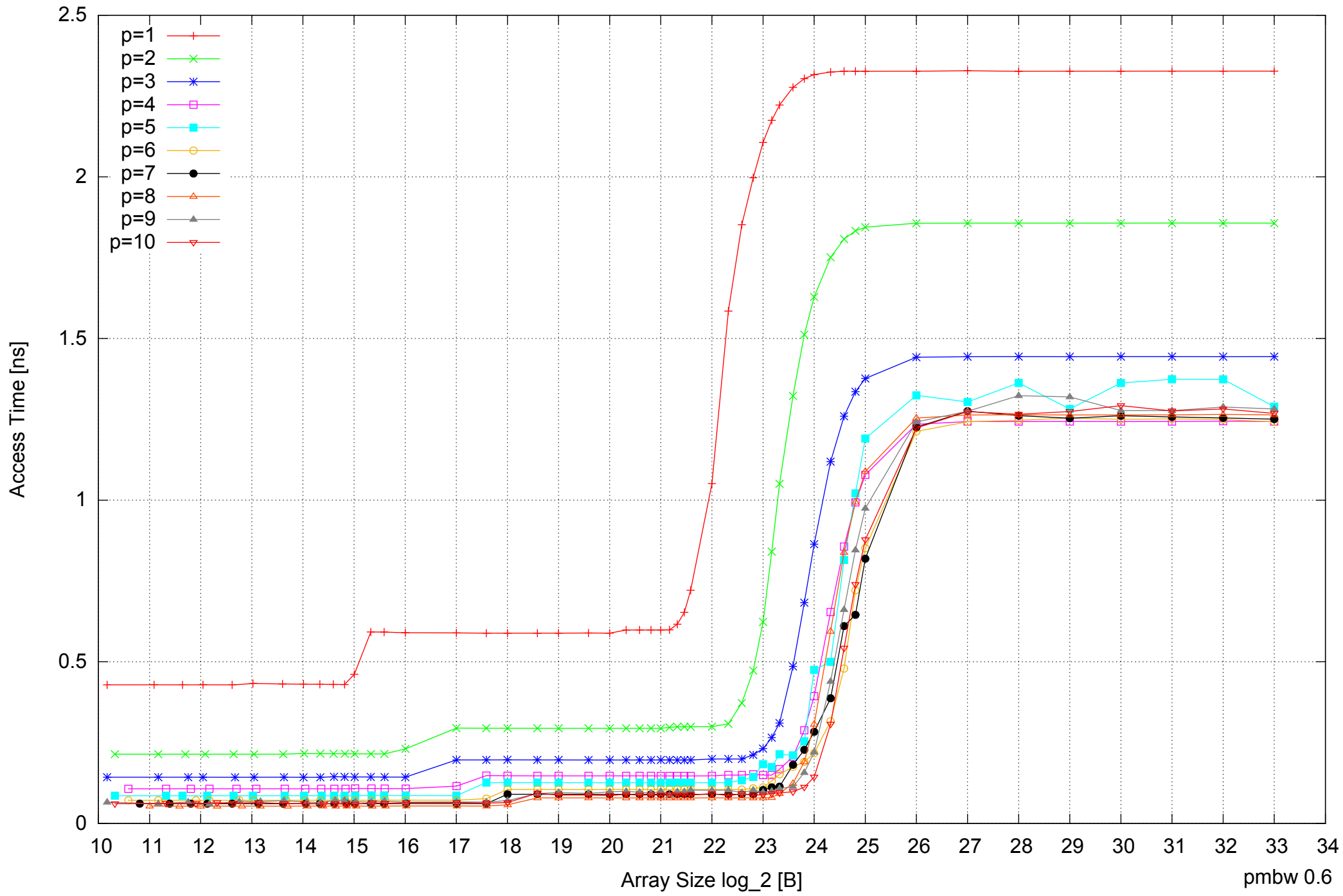
Intel Xeon E5345 16GB - Speedup of Memory Bandwidth (enlarged) - ScanRead64IndexSimpleLoop



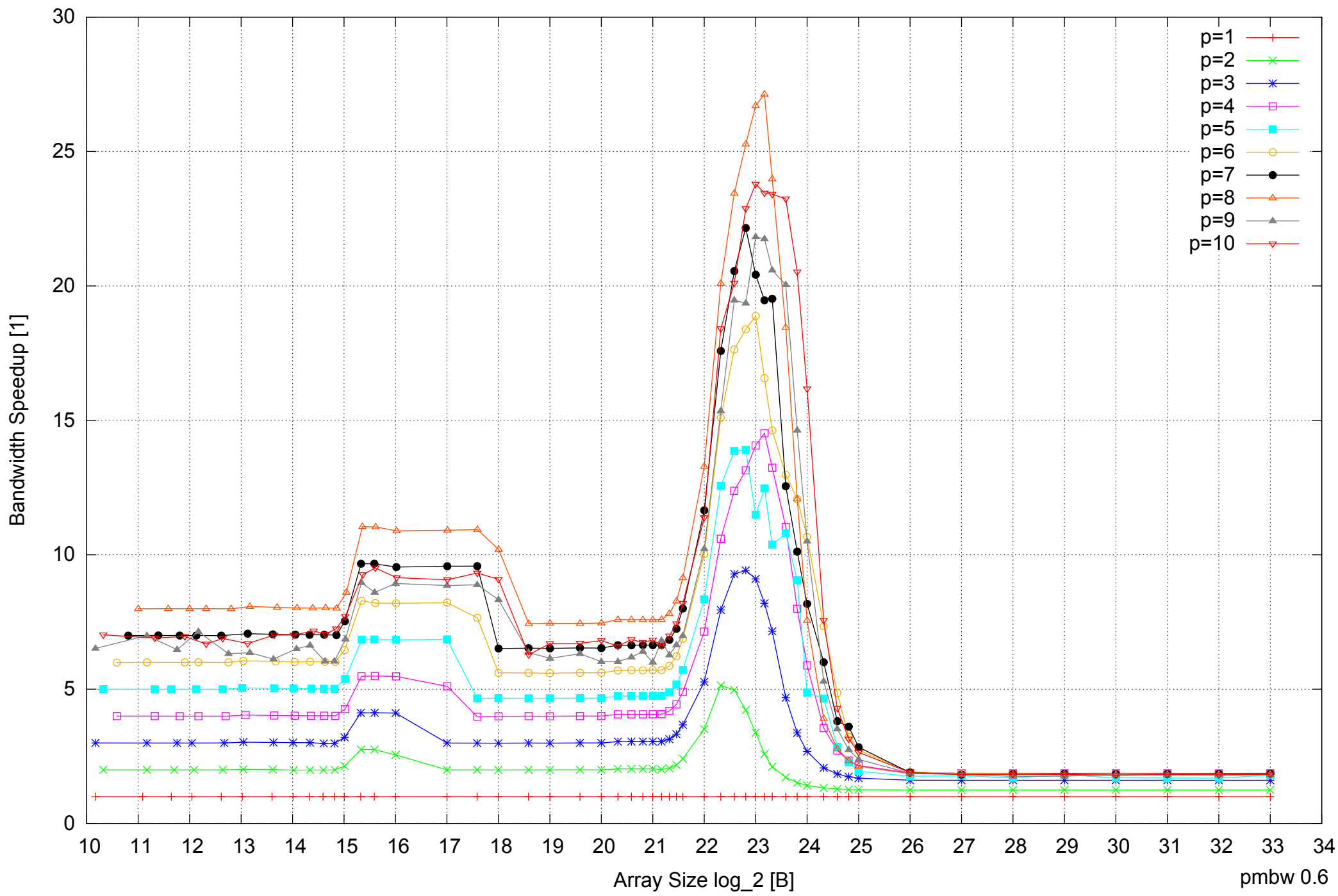
Intel Xeon E5345 16GB - Memory Bandwidth - ScanRead64IndexUnrollLoop



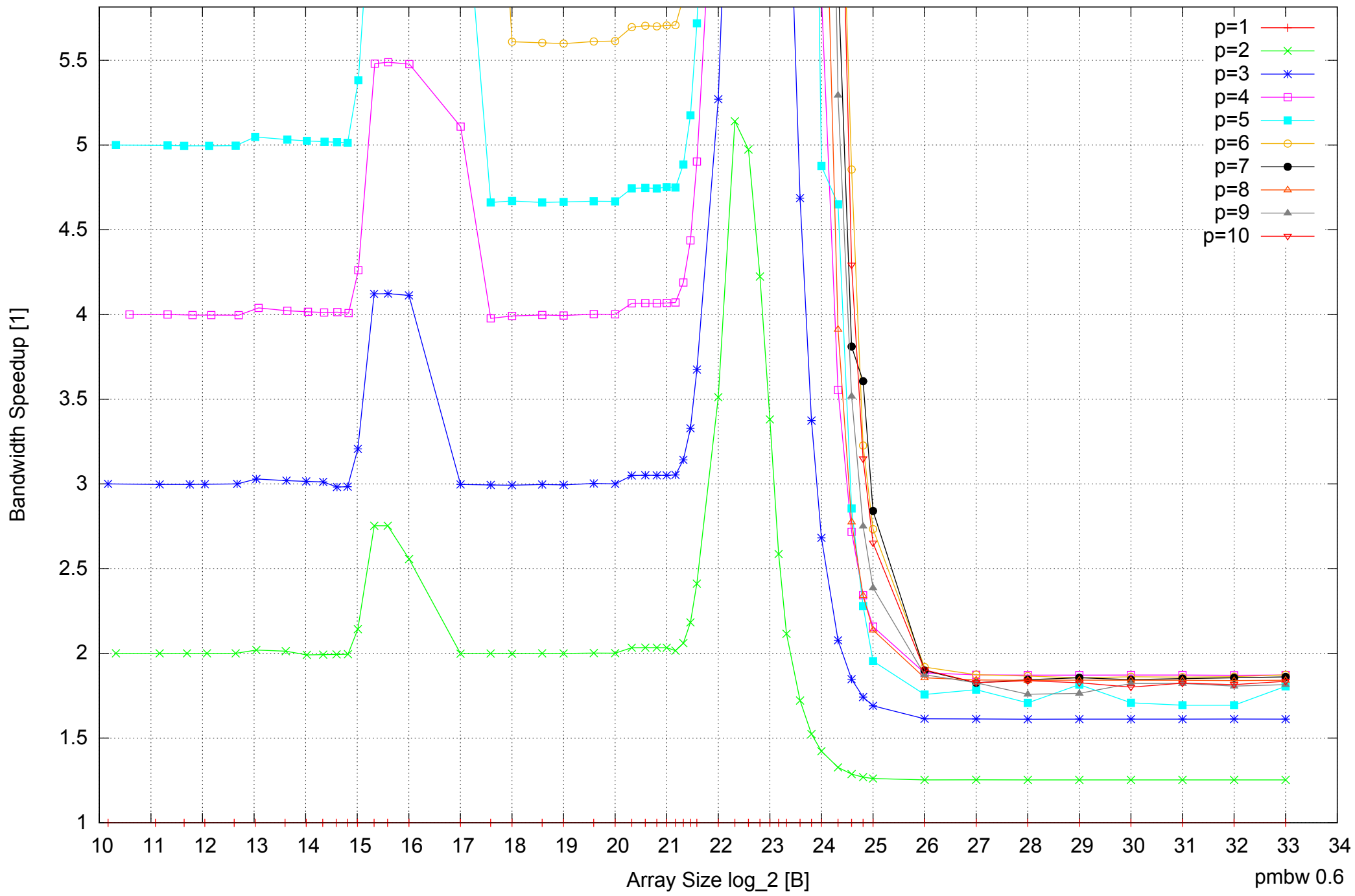
Intel Xeon E5345 16GB - Memory Latency - ScanRead64IndexUnrollLoop



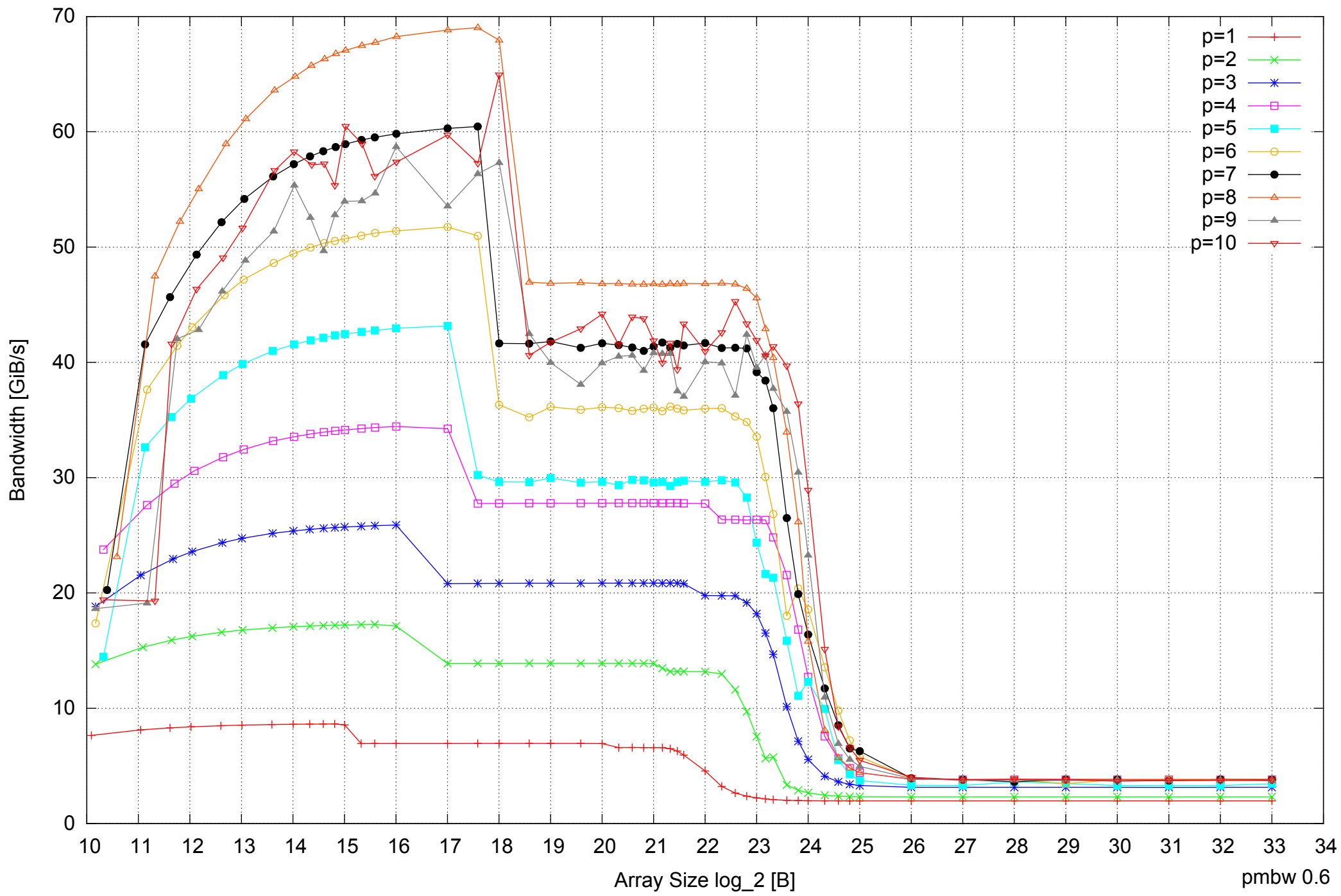
Intel Xeon E5345 16GB - Speedup of Memory Bandwidth - ScanRead64IndexUnrollLoop



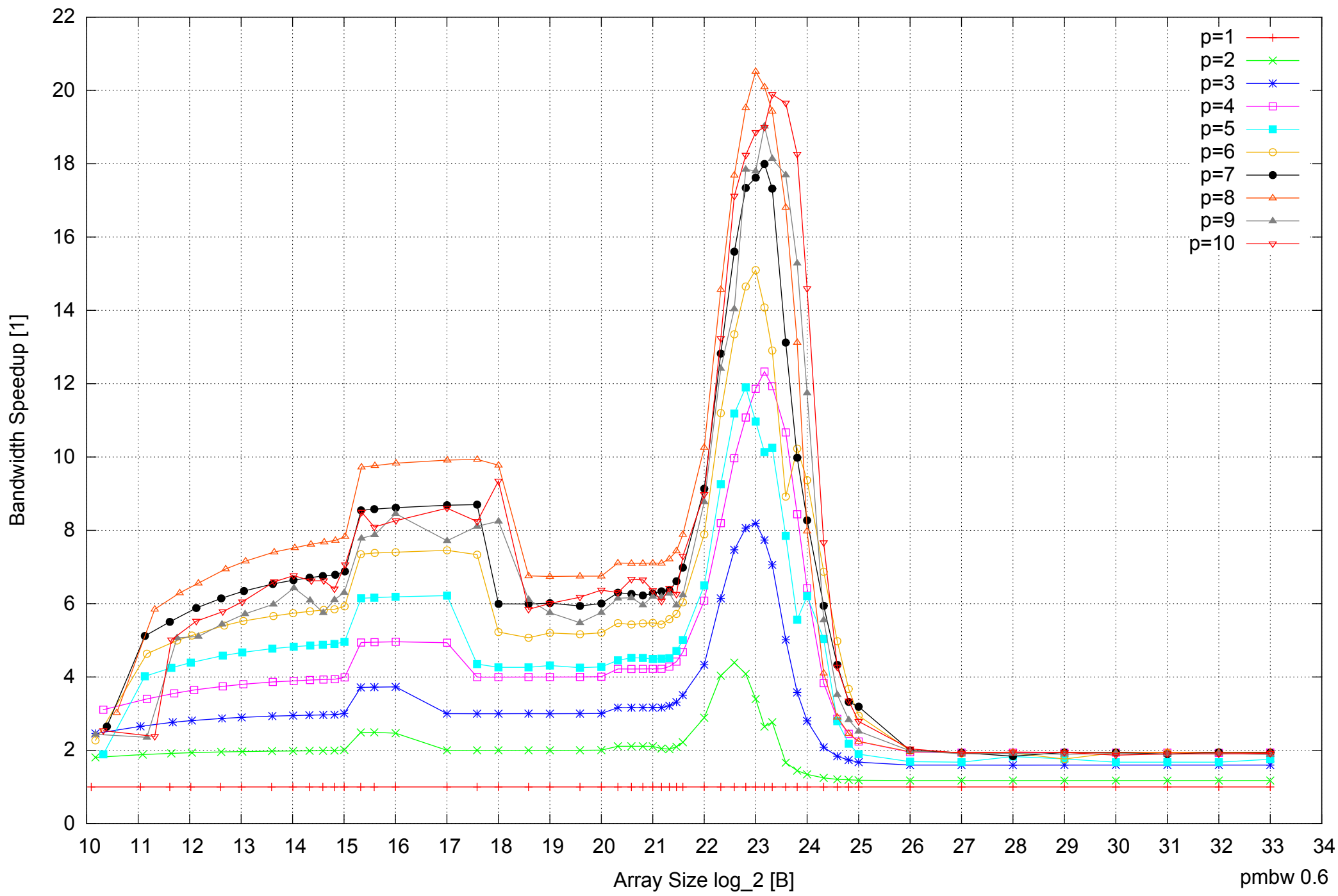
Intel Xeon E5345 16GB - Speedup of Memory Bandwidth (enlarged) - ScanRead64IndexUnrollLoop



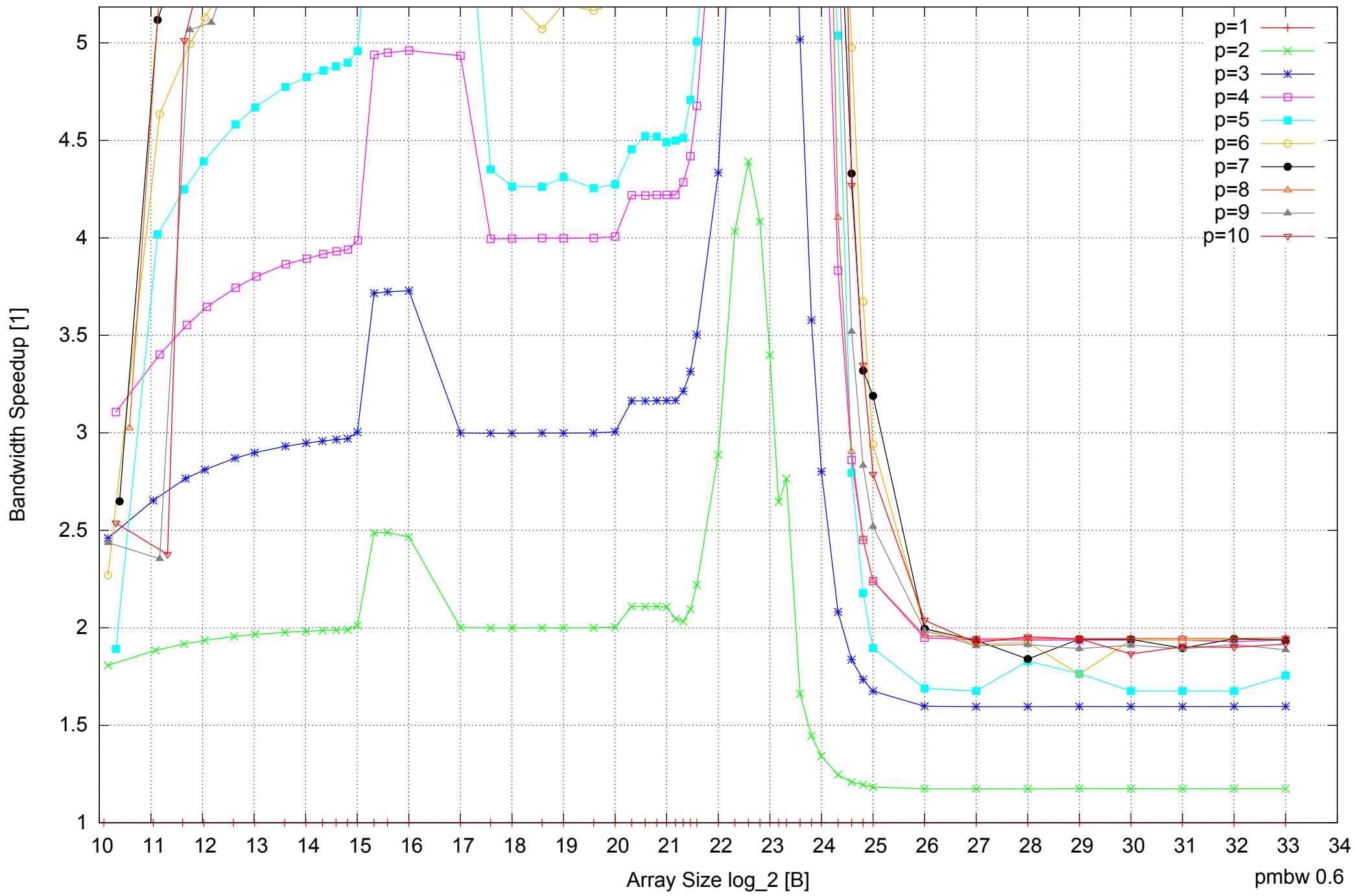
Intel Xeon E5345 16GB - Memory Bandwidth - ScanWrite32PtrSimpleLoop



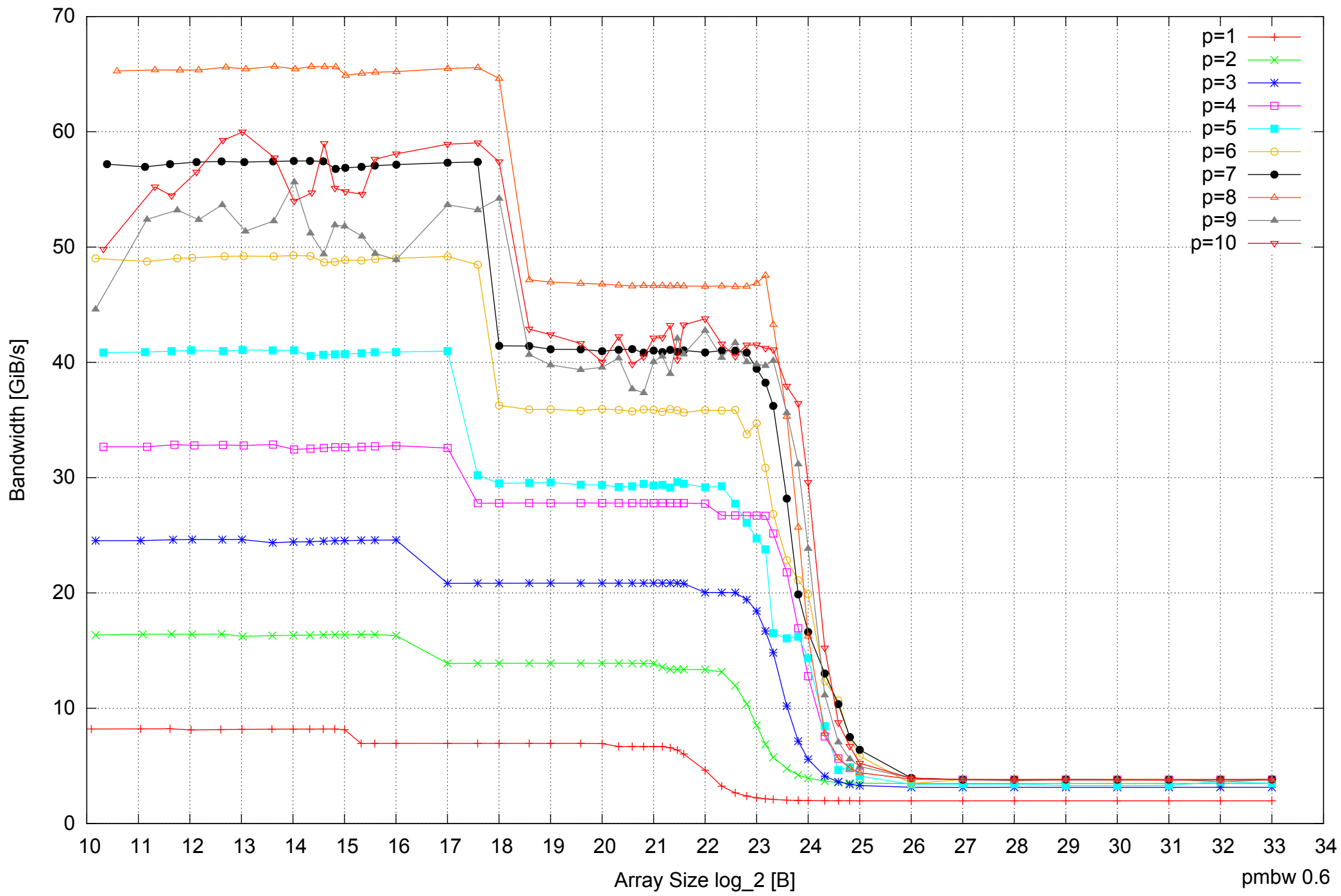
Intel Xeon E5345 16GB - Speedup of Memory Bandwidth - ScanWrite32PtrSimpleLoop



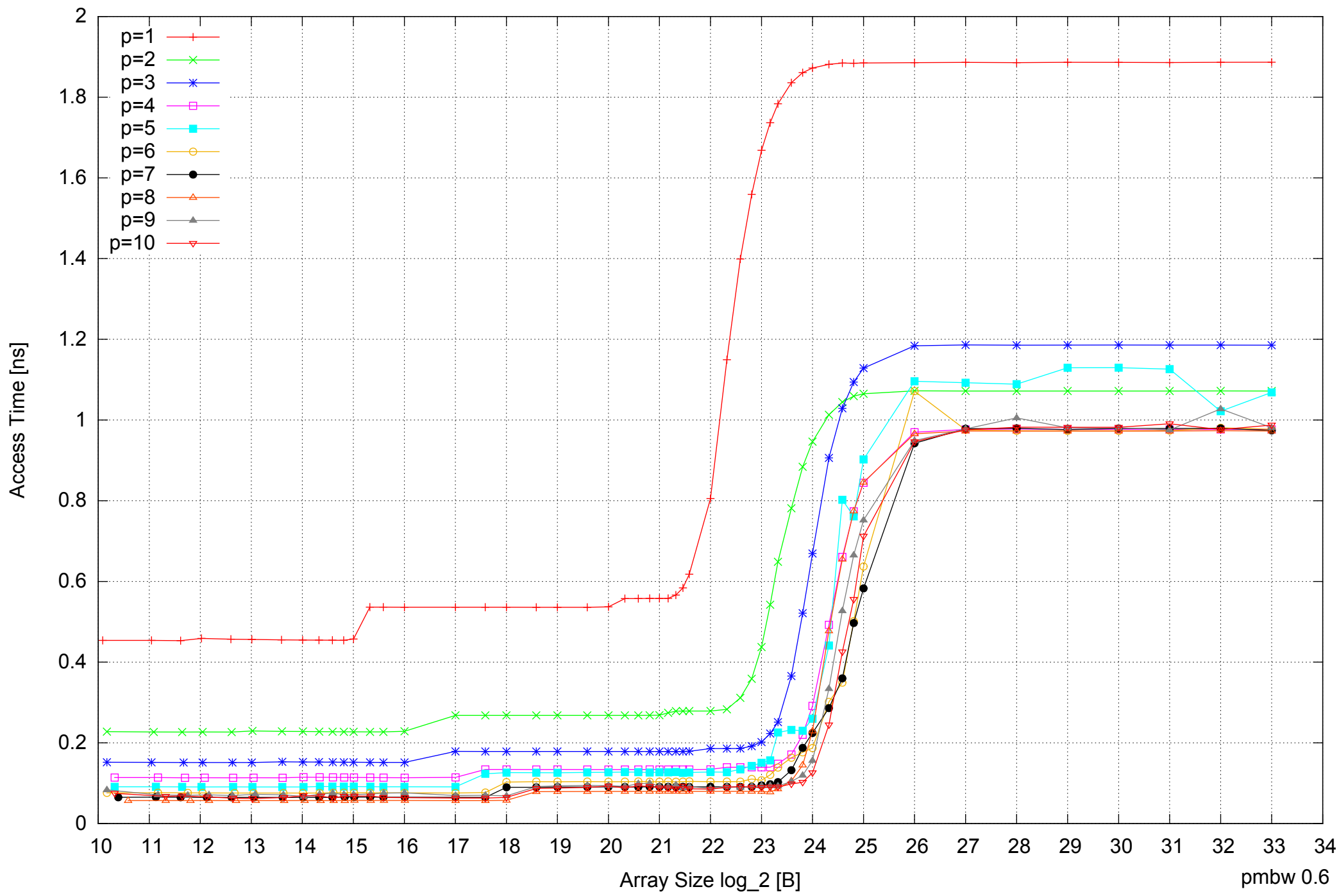
Intel Xeon E5345 16GB - Speedup of Memory Bandwidth (enlarged) - ScanWrite32PtrSimpleLoop



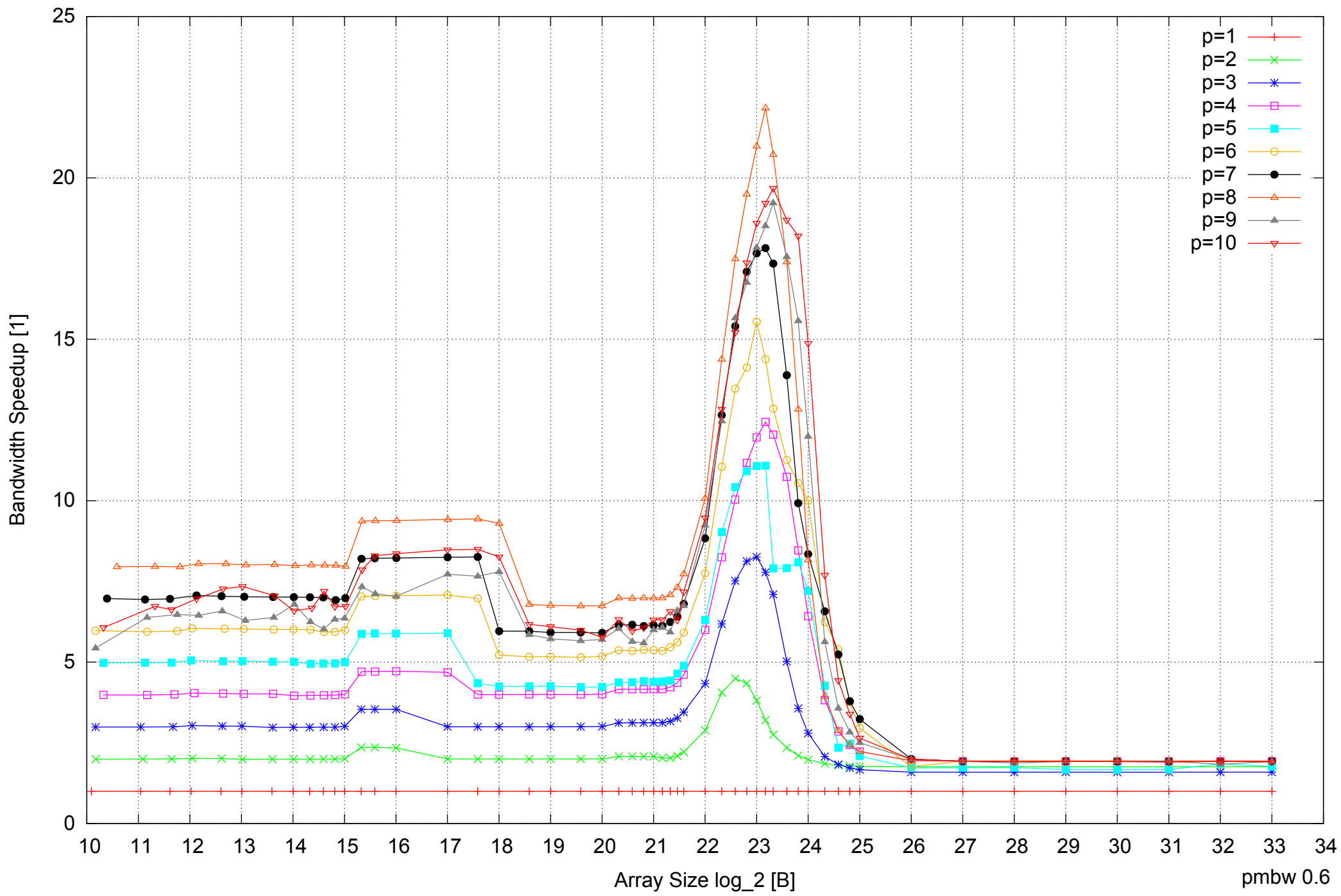
Intel Xeon E5345 16GB - Memory Bandwidth - ScanWrite32PtrUnrollLoop



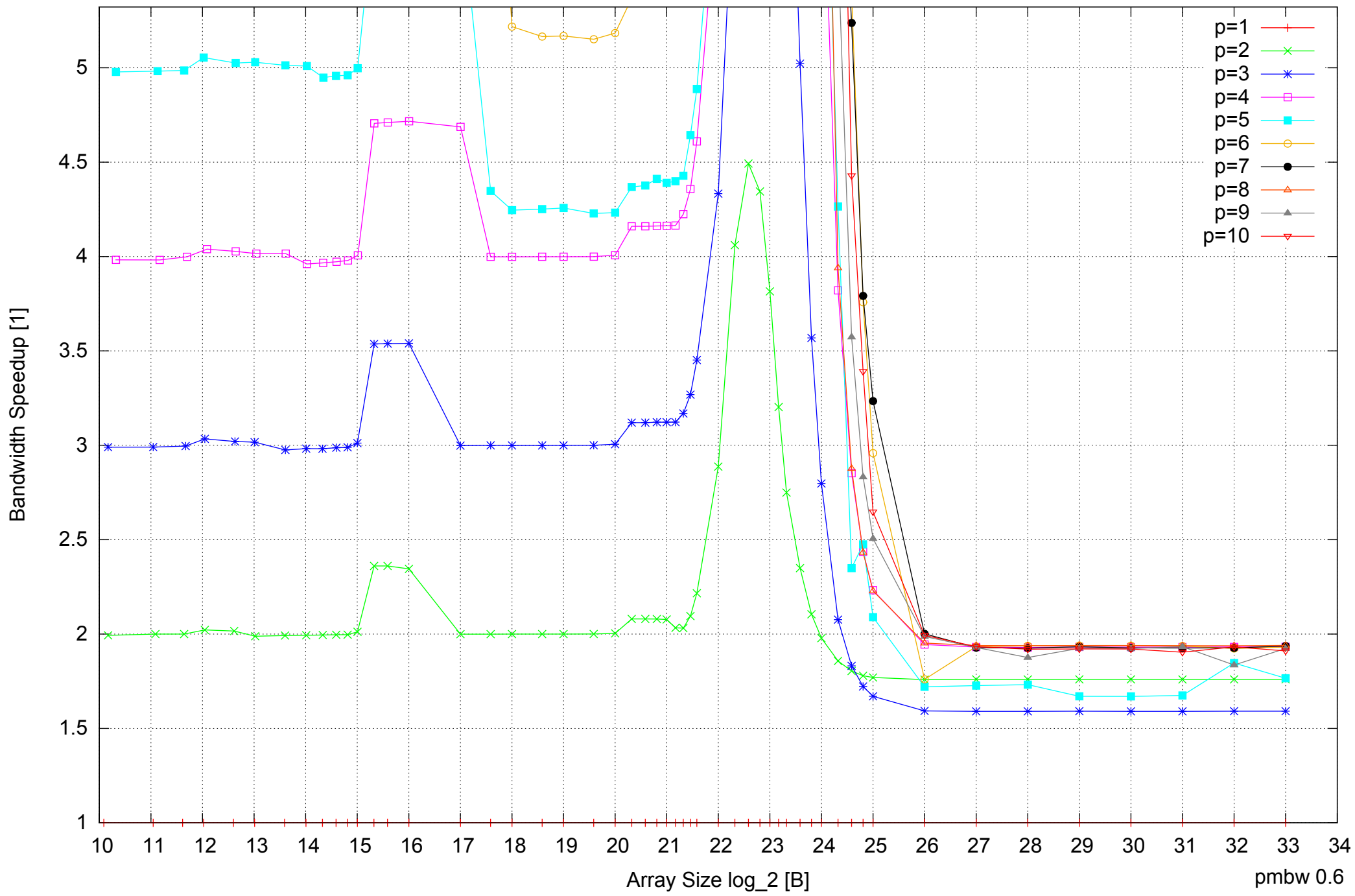
Intel Xeon E5345 16GB - Memory Latency - ScanWrite32PtrUnrollLoop



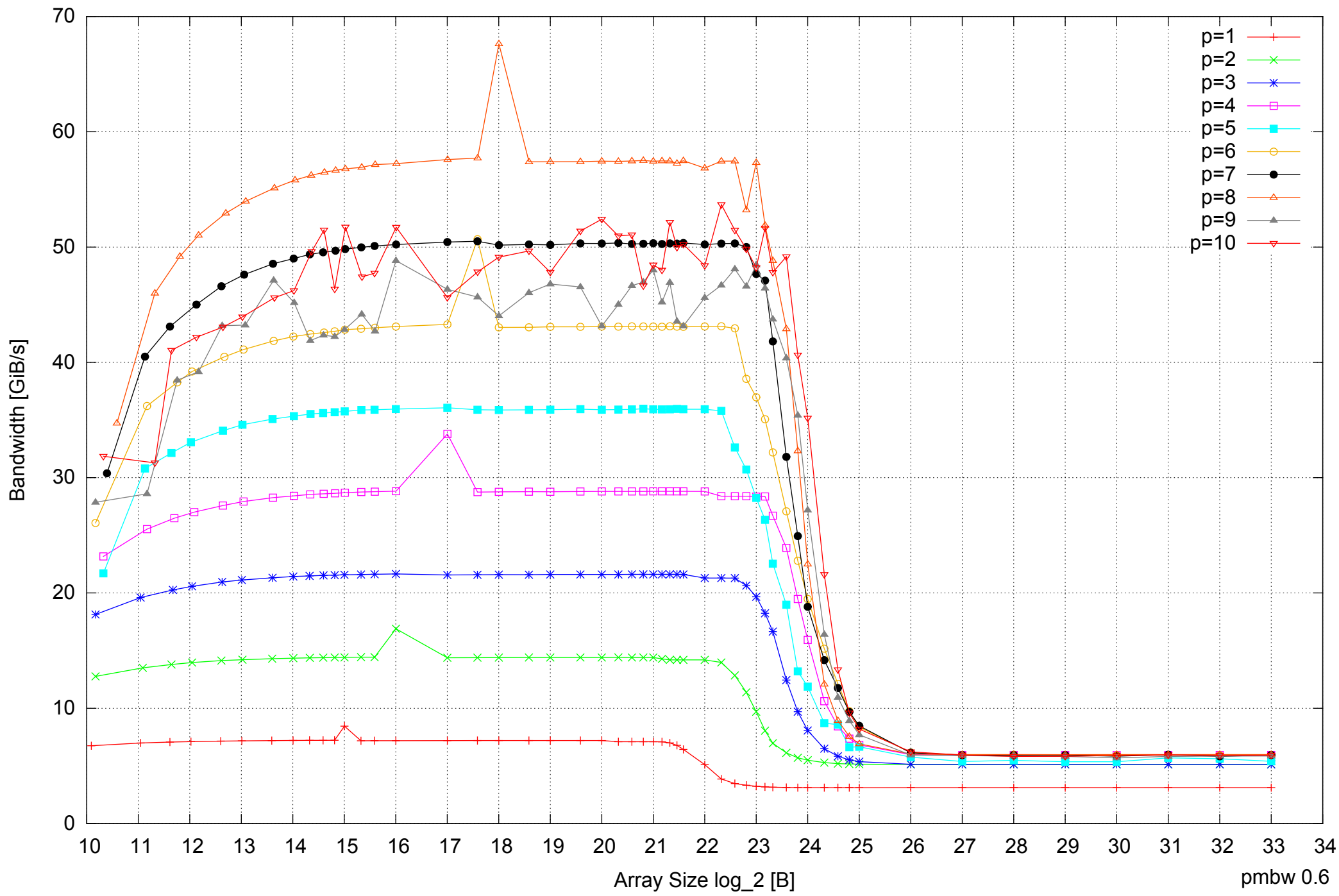
Intel Xeon E5345 16GB - Speedup of Memory Bandwidth - ScanWrite32PtrUnrollLoop



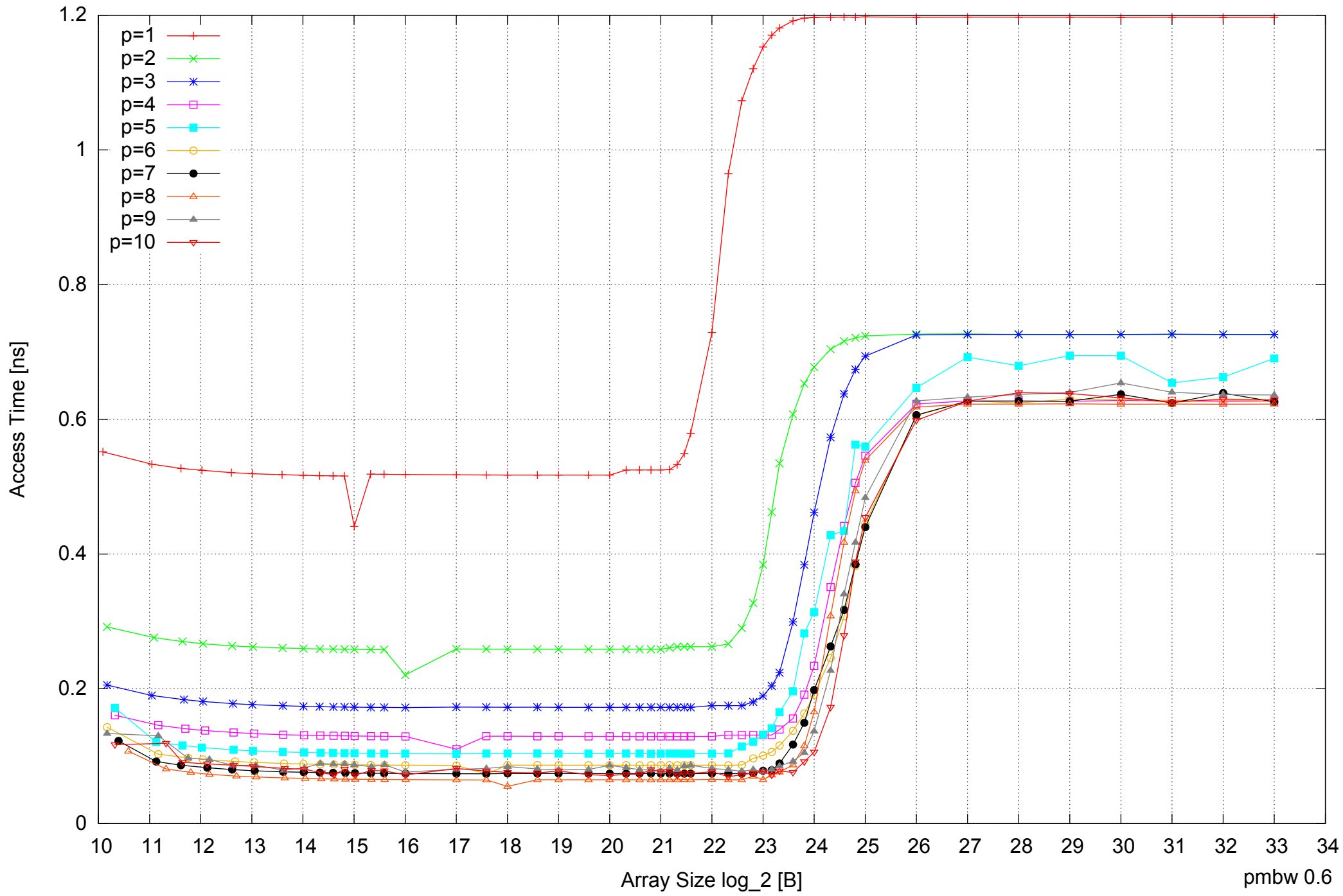
Intel Xeon E5345 16GB - Speedup of Memory Bandwidth (enlarged) - ScanWrite32PtrUnrollLoop



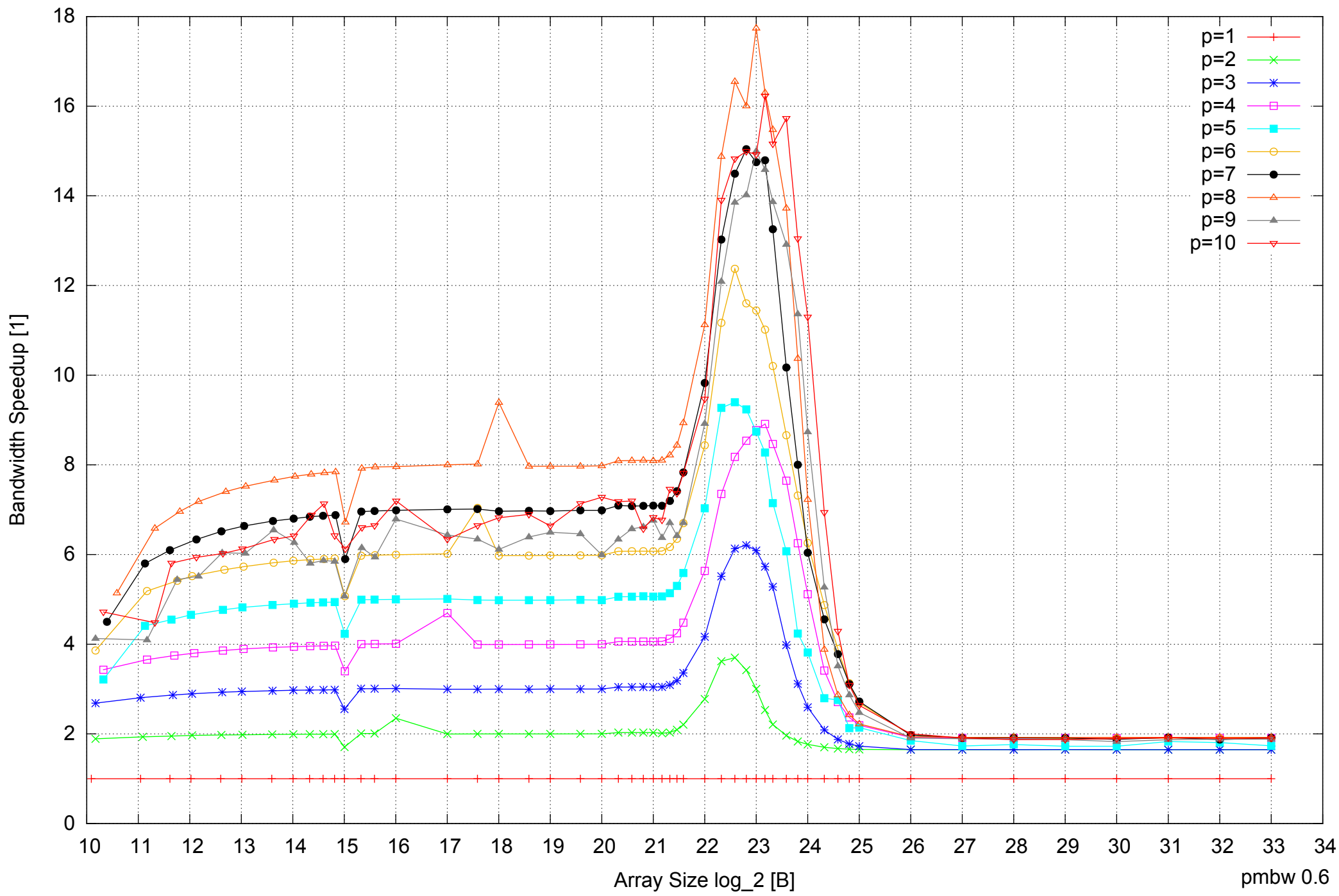
Intel Xeon E5345 16GB - Memory Bandwidth - ScanRead32PtrSimpleLoop



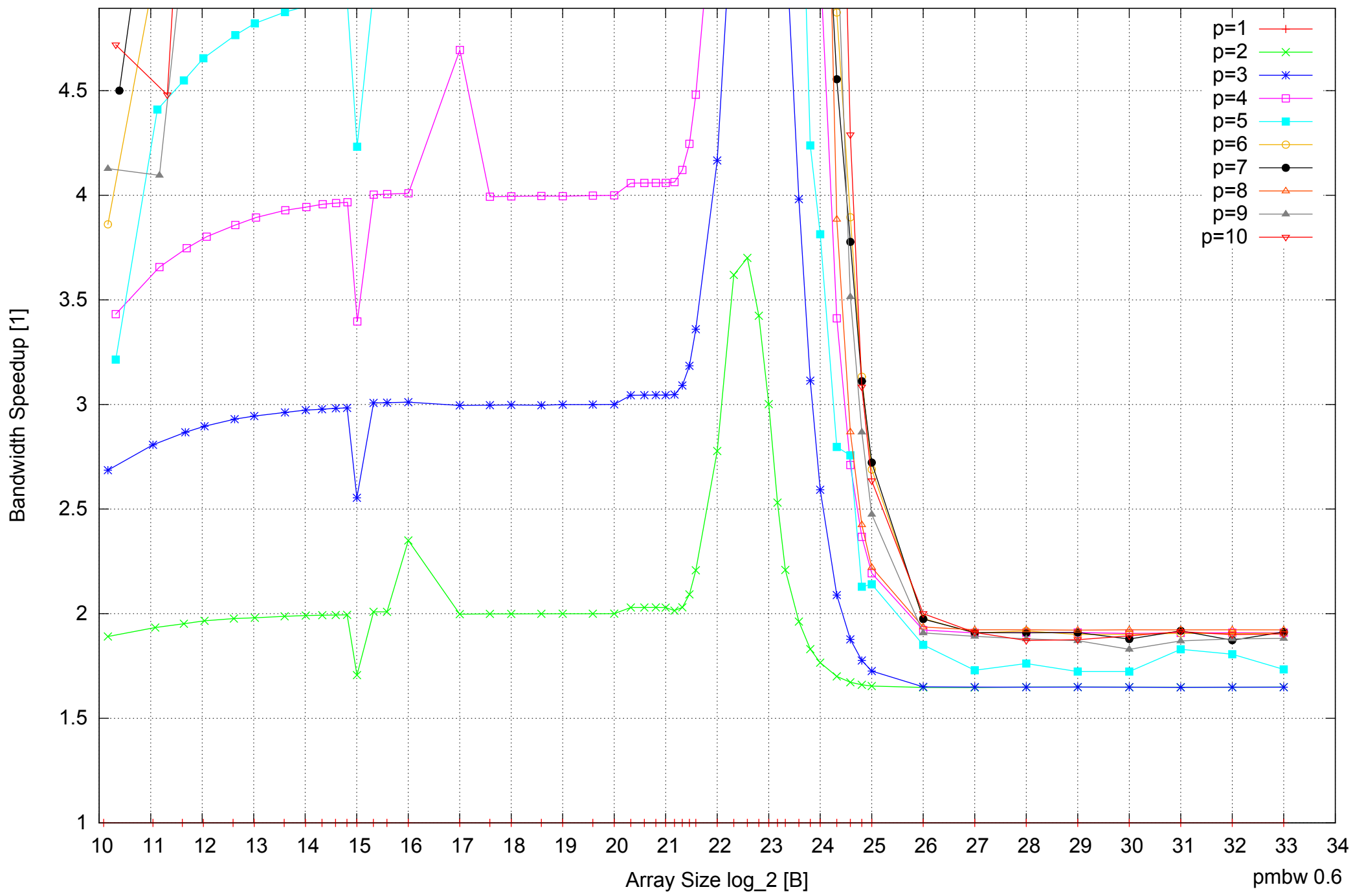
Intel Xeon E5345 16GB - Memory Latency - ScanRead32PtrSimpleLoop



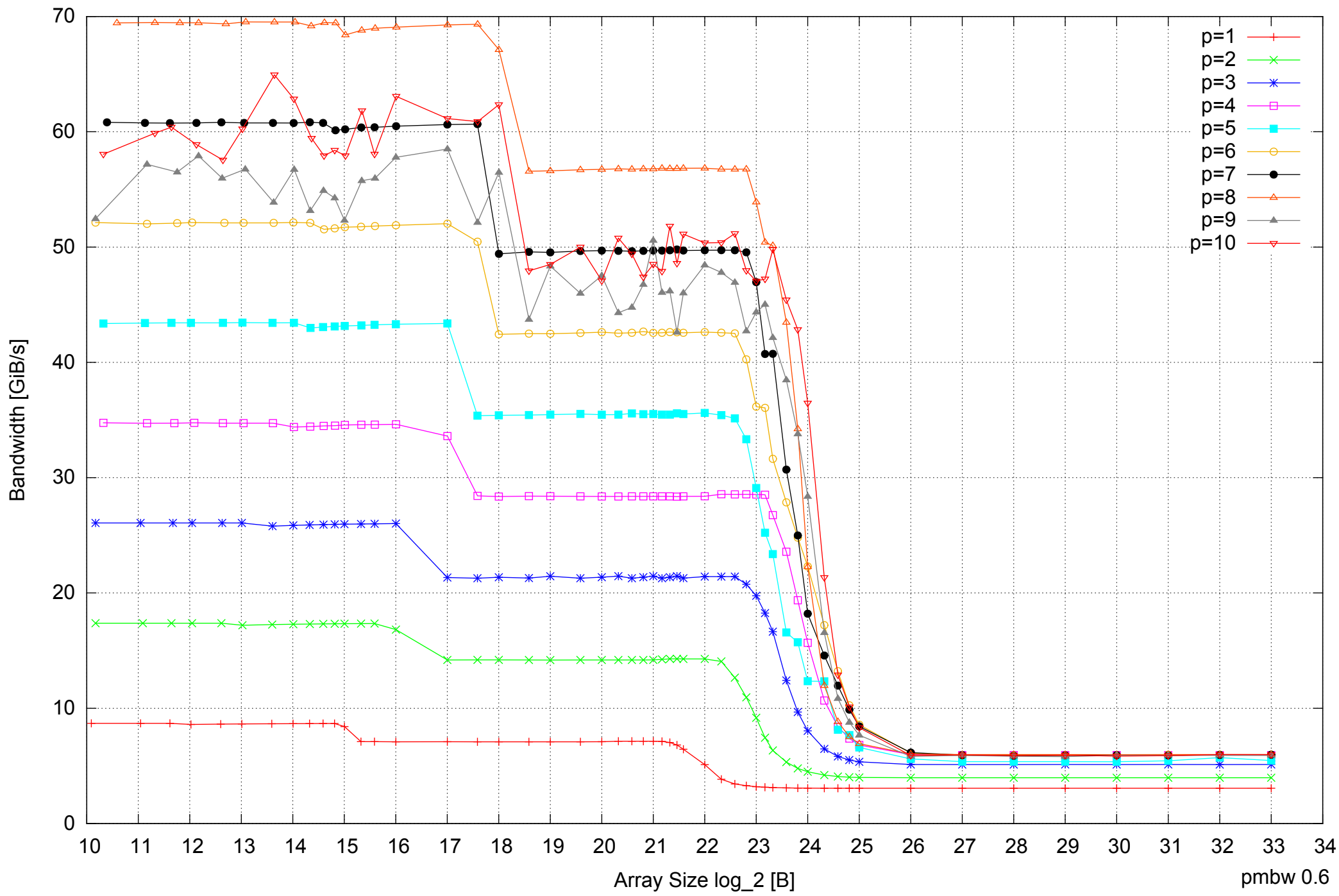
Intel Xeon E5345 16GB - Speedup of Memory Bandwidth - ScanRead32PtrSimpleLoop



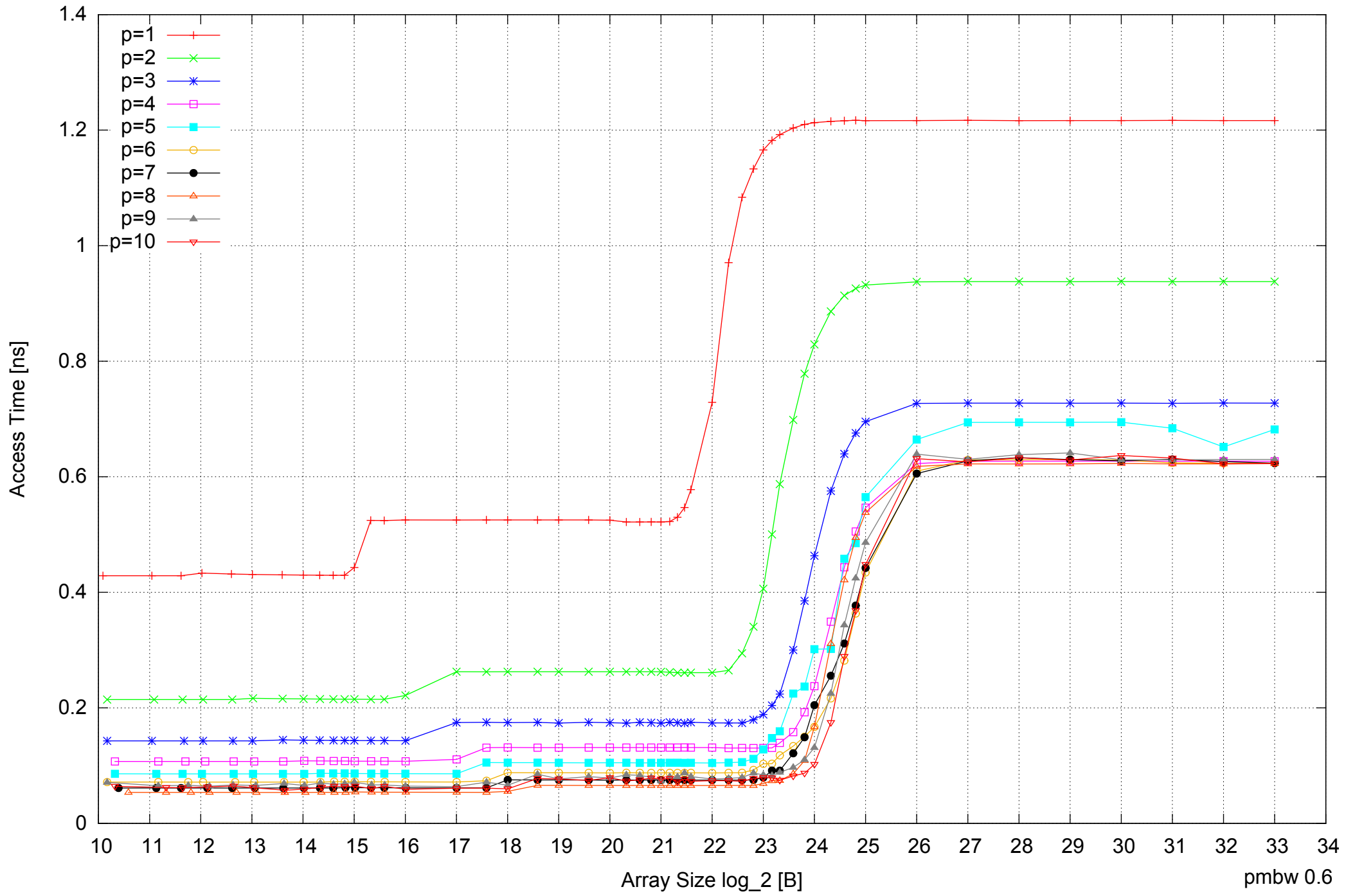
Intel Xeon E5345 16GB - Speedup of Memory Bandwidth (enlarged) - ScanRead32PtrSimpleLoop



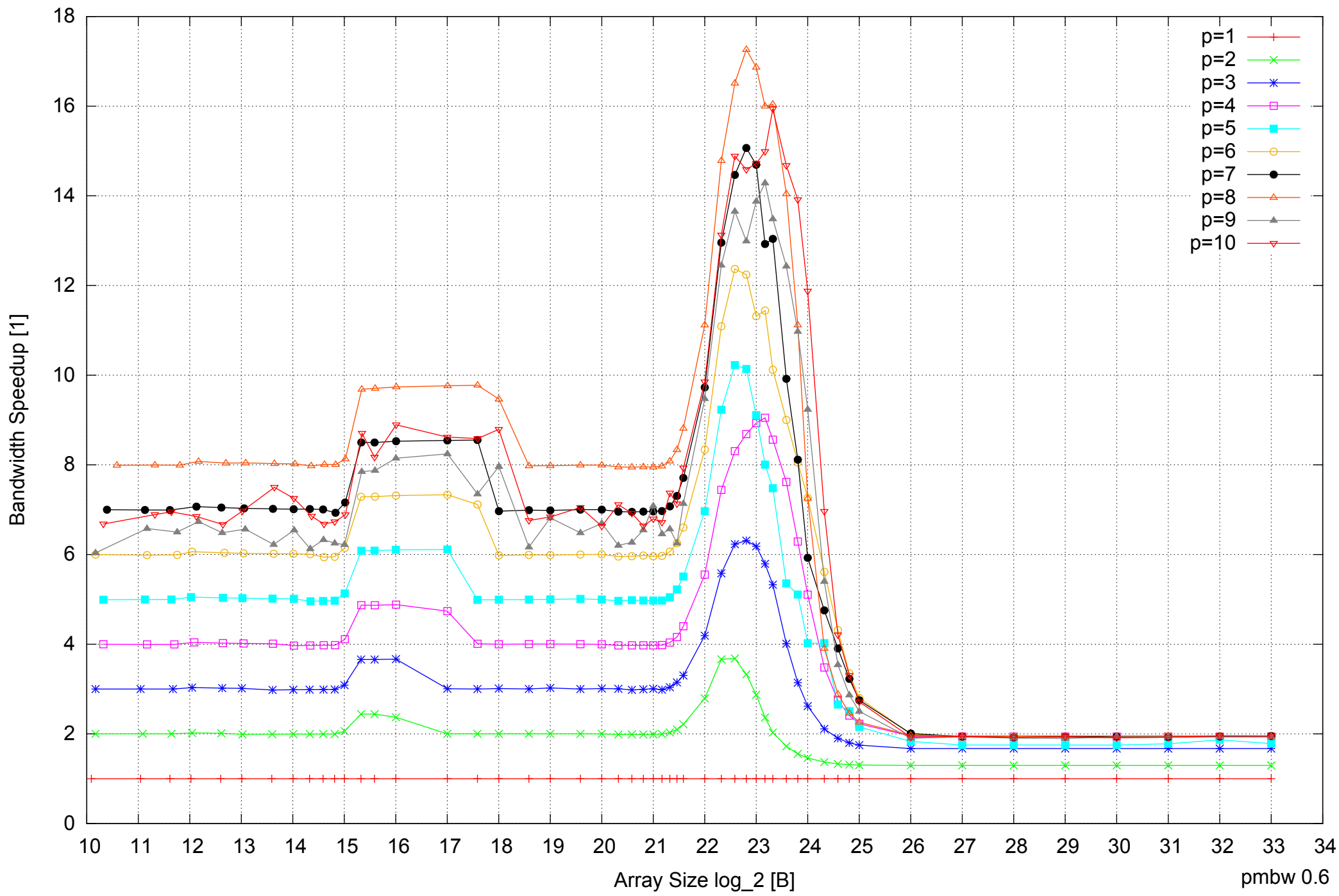
Intel Xeon E5345 16GB - Memory Bandwidth - ScanRead32PtrUnrollLoop



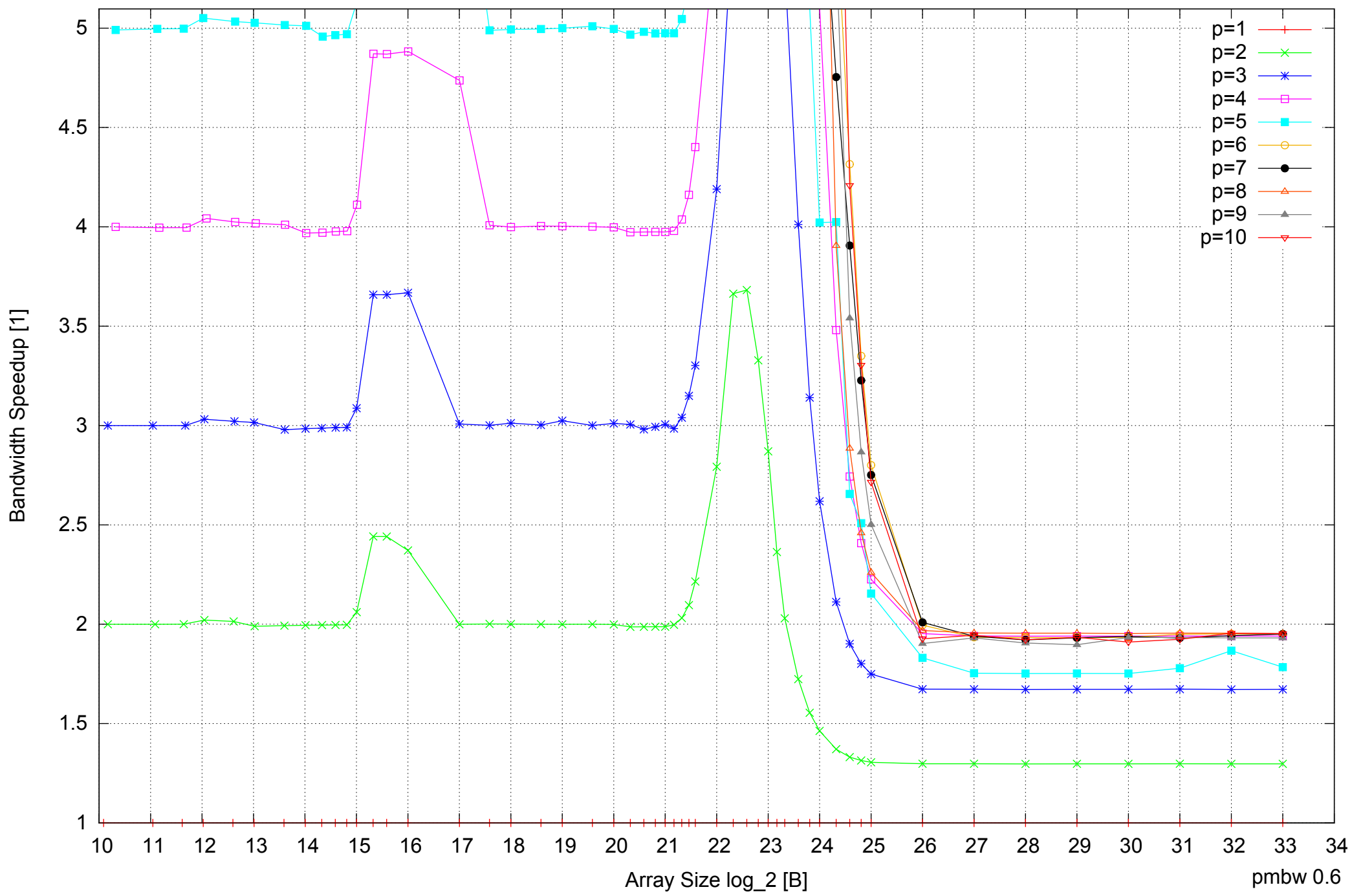
Intel Xeon E5345 16GB - Memory Latency - ScanRead32PtrUnrollLoop



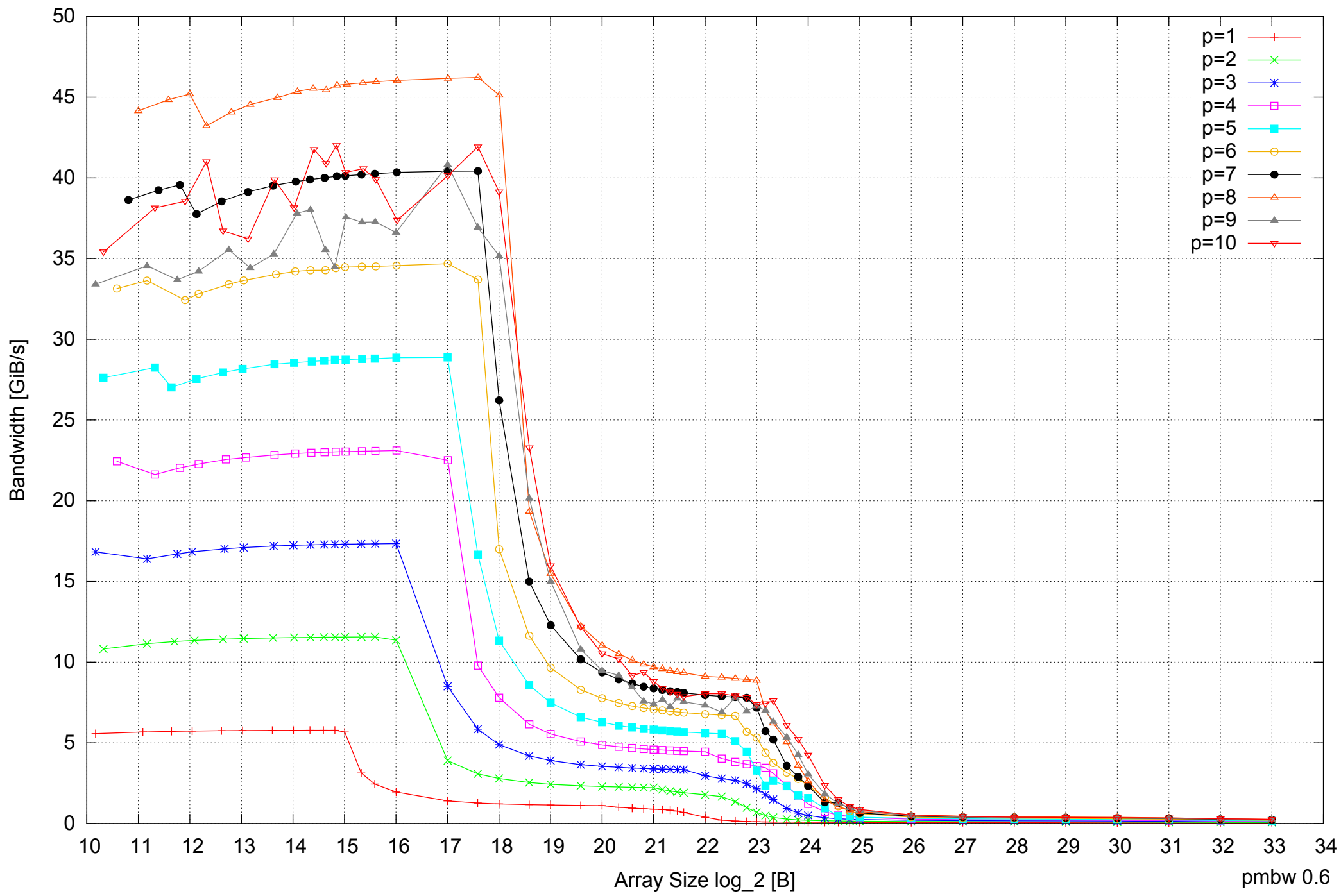
Intel Xeon E5345 16GB - Speedup of Memory Bandwidth - ScanRead32PtrUnrollLoop



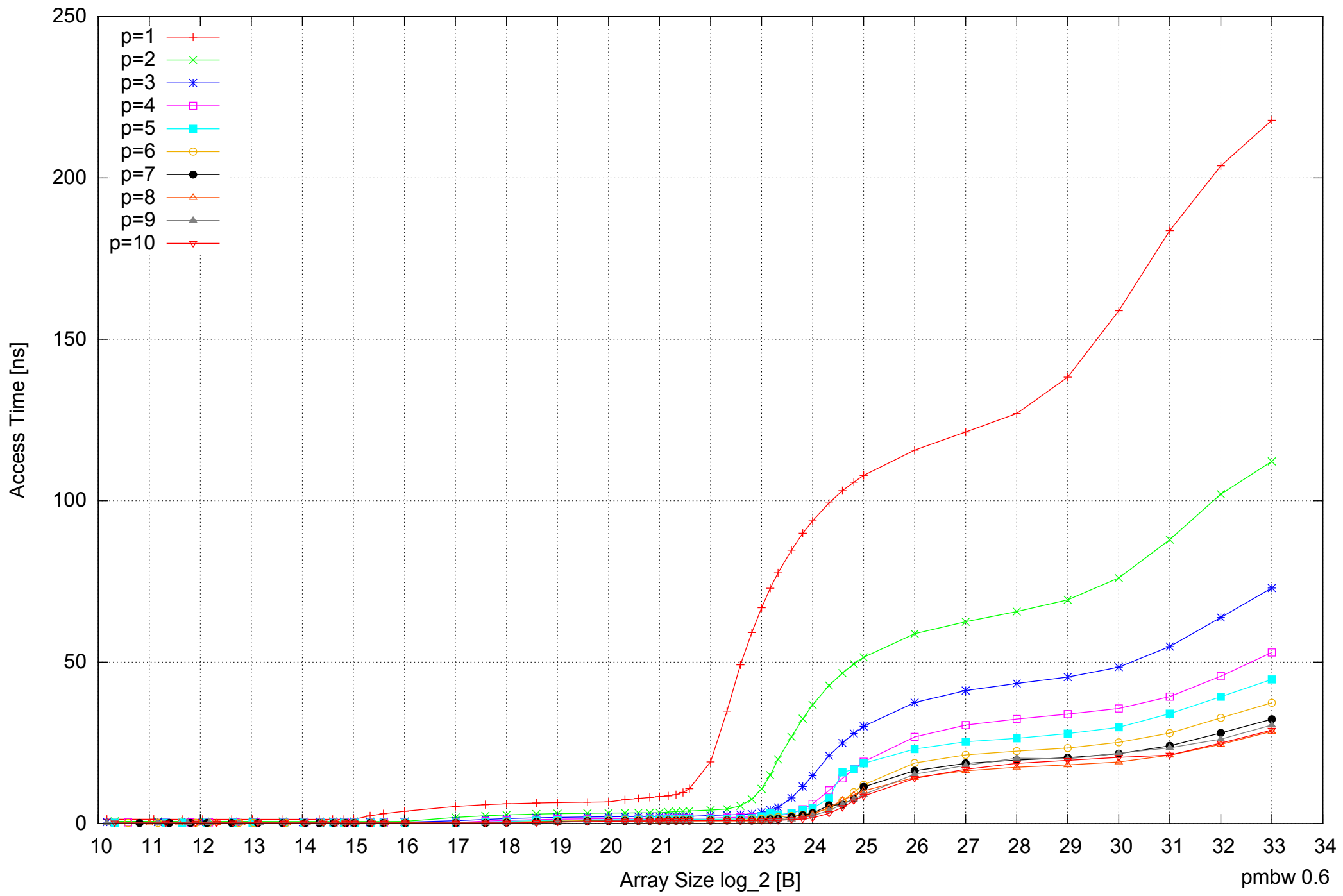
Intel Xeon E5345 16GB - Speedup of Memory Bandwidth (enlarged) - ScanRead32PtrUnrollLoop



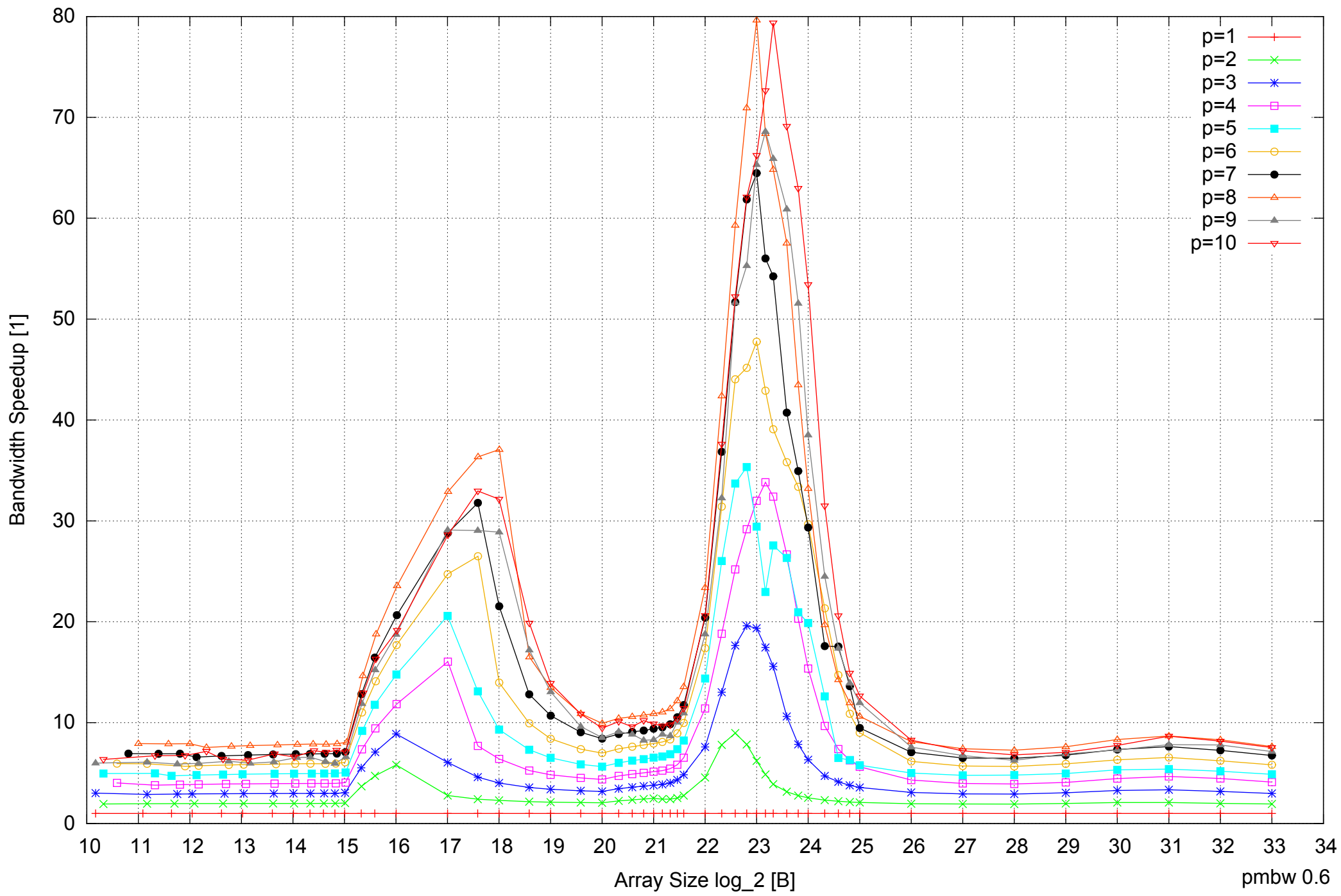
Intel Xeon E5345 16GB - Memory Bandwidth - PermRead64SimpleLoop



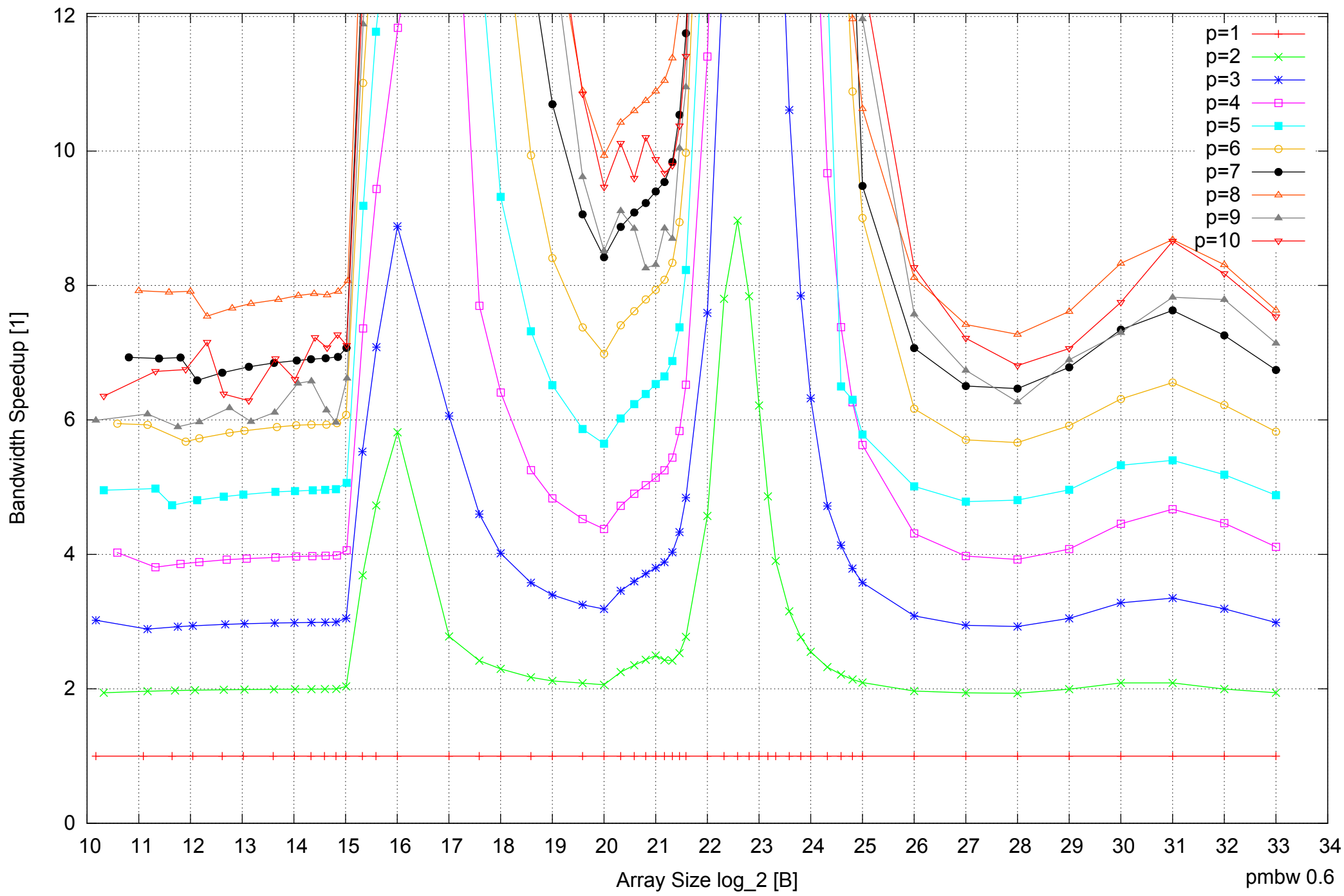
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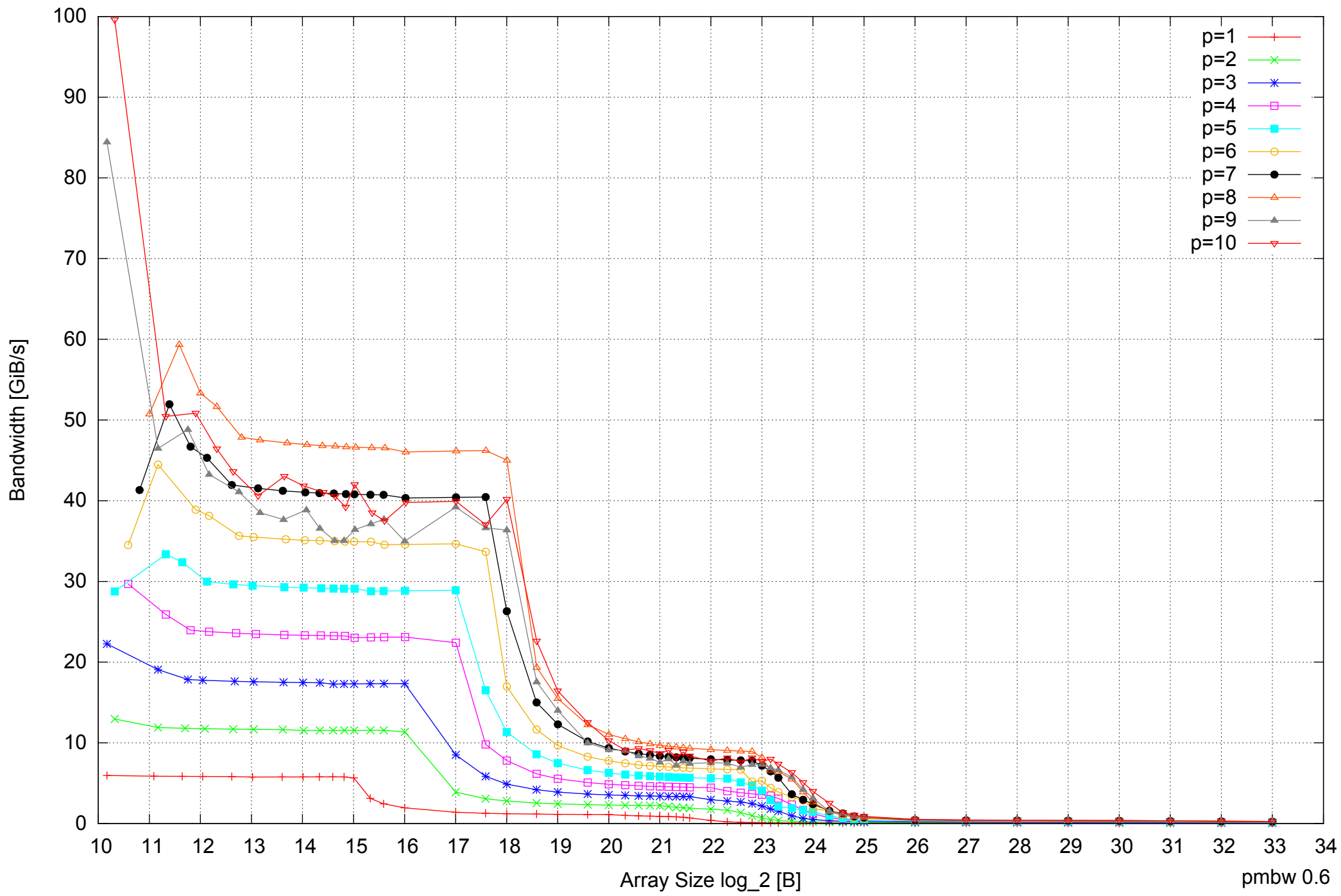
Intel Xeon E5345 16GB - Speedup of Memory Bandwidth - PermRead64SimpleLoop



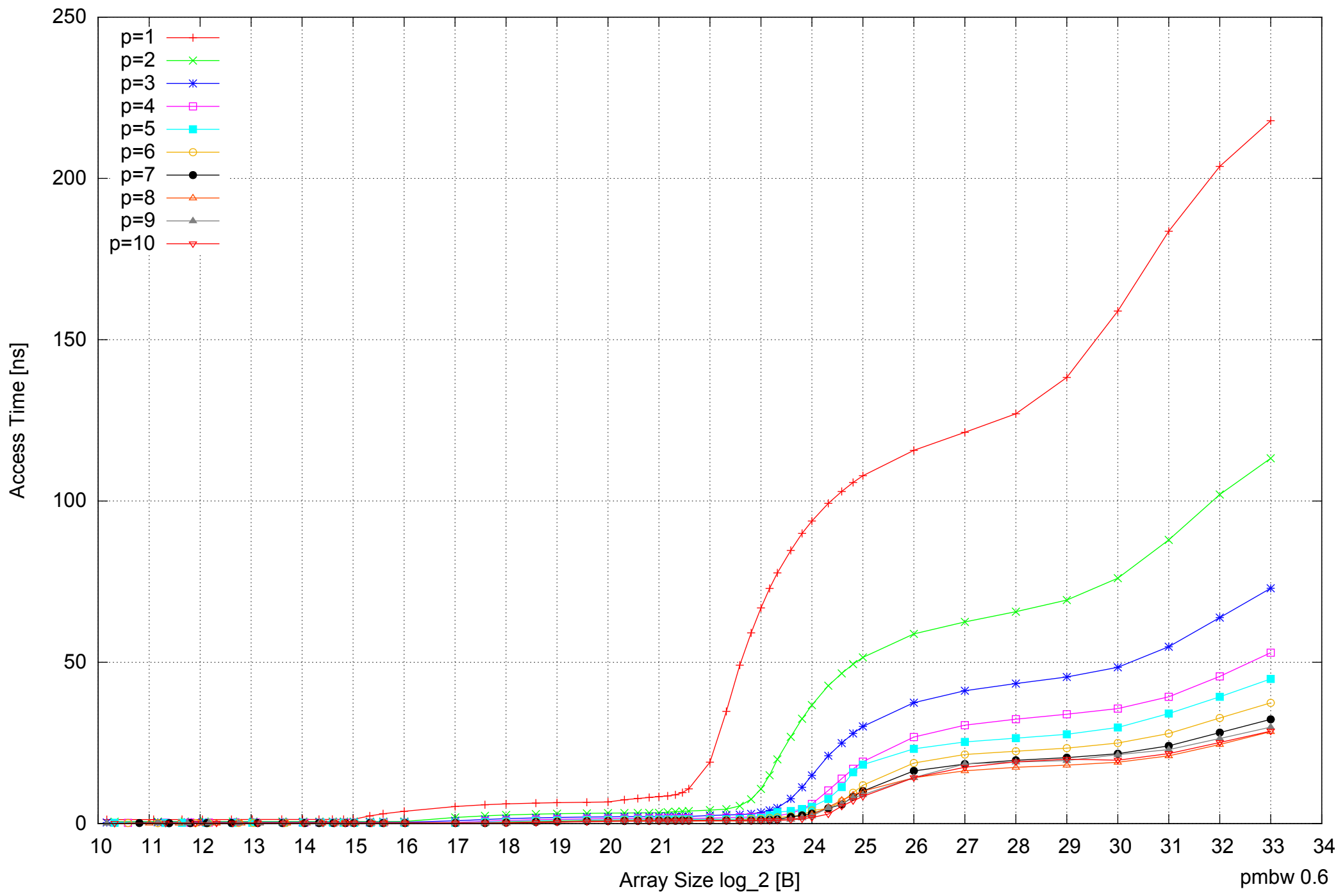
Intel Xeon E5345 16GB - Speedup of Memory Bandwidth (enlarged) - PermRead64SimpleLoop



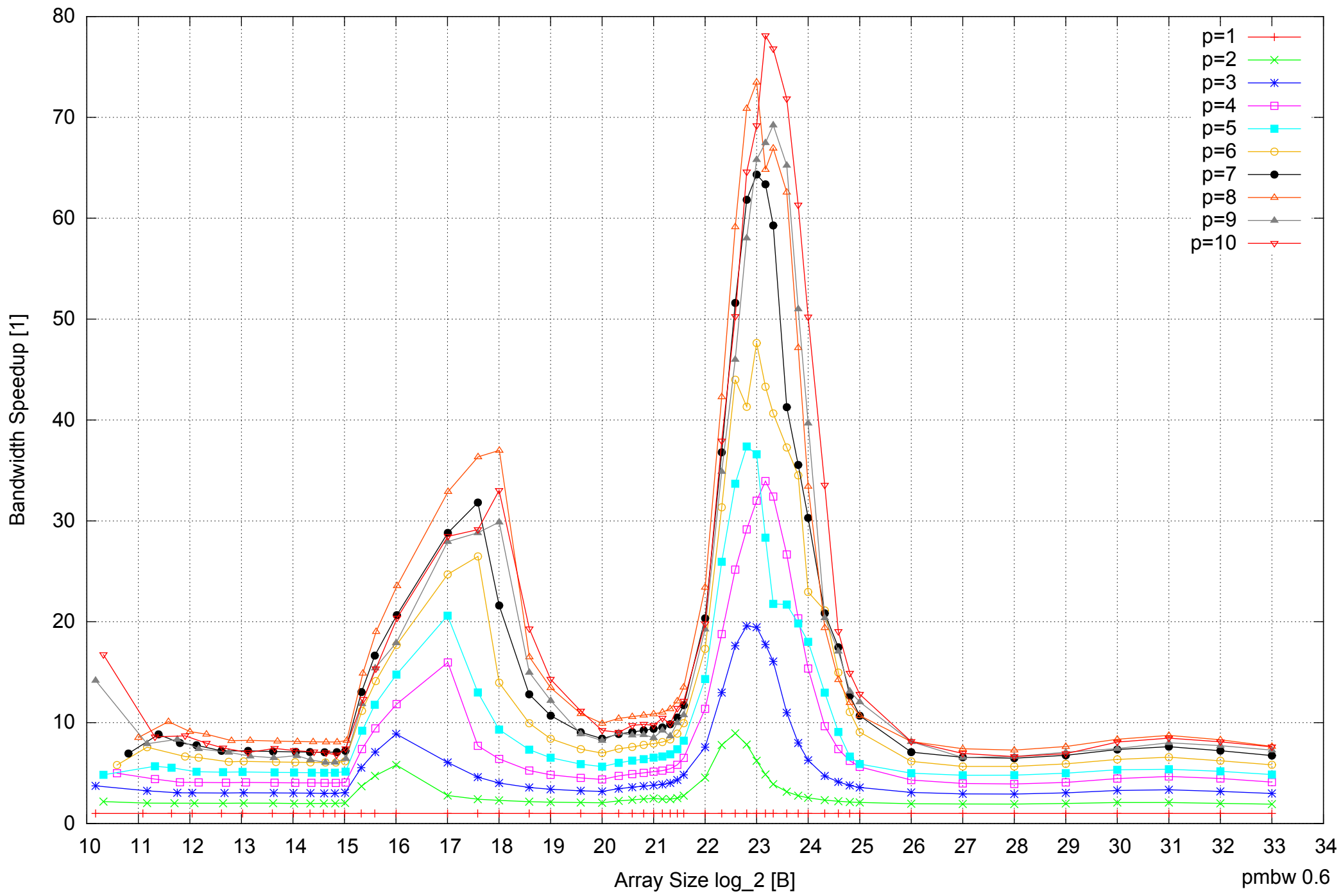
Intel Xeon E5345 16GB - Memory Bandwidth - PermRead64UnrollLoop



Intel Xeon E5345 16GB - Memory Latency - PermRead64UnrollLoop



Intel Xeon E5345 16GB - Speedup of Memory Bandwidth - PermRead64UnrollLoop



Intel Xeon E5345 16GB - Speedup of Memory Bandwidth (enlarged) - PermRead64UnrollLoop

