

Base Vector (Deep Copy):

Size	Time (ms)
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2	0.0129 ms
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4	0.0059 ms
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8	0.0045 ms
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16	0.0036 ms
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32	0.0042 ms
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64	0.004 ms
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128	0.0048 ms
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256	0.0061 ms
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512	0.0438 ms
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1024	0.037 ms
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2048	0.0393 ms
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4096	0.0698 ms
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Total time for Base Vector (Deep Copy): 0.2359 ms

VectorSTL (std::copy):

Size	Time (ms)
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2	0.0048 ms
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4	0.0057 ms
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8	0.004 ms
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16	0.0061 ms
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32	0.0064 ms
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64	0.0143 ms
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128	0.0092 ms
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256	0.0128 ms
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512	0.0131 ms
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1024	0.0243 ms
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2048	0.0656 ms
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4096	0.0868 ms
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Total time for VectorSTL (std::copy): 0.2531 ms

VectorLargeStep (Start at 128, Increase by 4x):

Size	Time (ms)
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2	0.0003 ms
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4	0.0002 ms
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8	0.0004 ms
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16	0.0003 ms
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32	0.0008 ms
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64	0.0006 ms
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128	0.0485 ms
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256	0.0037 ms
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512	0.0289 ms
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1024	0.0072 ms
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2048	0.0329 ms
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4096	0.0488 ms
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Total time for VectorLargeStep (Start at 128, Increase by 4x): 0.1726 ms