

EntangledList

“Basic” benchmark results

Table of Contents

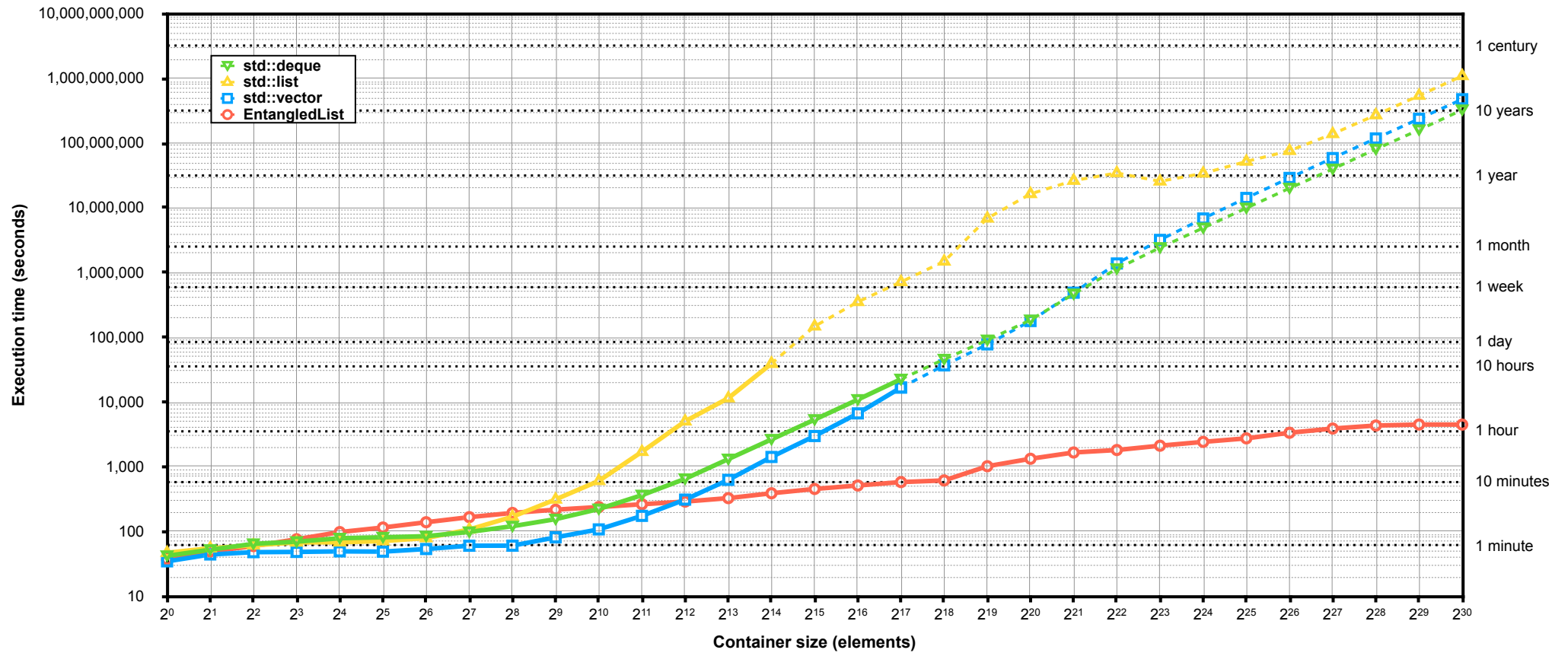
“Basic” benchmark execution commands	2
“Basic” benchmark results chart	4
“Basic” benchmark results table	5
Raw outputs	6
Hardware and software used in “Basic” benchmark	38

“Basic” benchmark execution commands

[illegible]

[illegible]

“Basic” benchmark results chart



“Basic” benchmark results table

Container size (elements)		Execution time (seconds)			
		std::deque	std::list	std::vector	EntangledList
2 ⁰	1	42.138929353	47.005691197	34.636807283	37.071488522
2 ¹	2	52.420286382	55.284603161	44.225749790	49.183121866
2 ²	4	64.525377014	61.183693832	48.001078566	59.584556092
2 ³	8	69.684519544	67.945242012	48.428842767	75.963045094
2 ⁴	16	78.856975645	68.248391690	49.396787170	98.075715804
2 ⁵	32	81.478205776	71.221911538	48.918406748	115.365072176
2 ⁶	64	84.772440930	79.248508036	53.697005643	139.154032792
2 ⁷	128	98.693915215	107.553061174	60.392590058	166.795366634
2 ⁸	256	120.764986833	169.347542163	60.512420639	193.770890611
2 ⁹	512	155.412522204	313.126910568	81.349783710	217.623943133
2 ¹⁰	1,024	222.637839203	605.304373337	107.900019072	238.897718593
2 ¹¹	2,048	364.816900565	1,706.726979861	174.617754015	263.878356575
2 ¹²	4,096	651.758110133	5,046.455219646	311.135214022	290.153278626
2 ¹³	8,192	1,314.615835659	11,480.099978964	628.207783151	328.019579253
2 ¹⁴	16,384	2,649.048745666	39,254.182610049	1,418.211384432	389.997676924
2 ¹⁵	32,768	5,349.999136395	147,833.483132732	2,986.332686438	454.712788277
2 ¹⁶	65,536	10,910.577303733	352,492.038993408	6,677.184147767	514.219438928
2 ¹⁷	131,072	22,567.169422003	716,538.876473056	16,752.016171482	580.645926973
2 ¹⁸	262,144	45,736.892328644	1,486,971.155329790	36,818.296239964	615.431524565
2 ¹⁹	524,288	90,691.198317548	6,870,714.102170120	77,651.074200424	1,020.409343984
2 ²⁰	1,048,576	184,800.134873024	16,406,099.557064600	178,285.822315352	1,330.123085477
2 ²¹	2,097,152	466,338.162196096	26,309,237.859913200	488,496.495649856	1,663.423298215
2 ²²	4,194,304	1,142,862.273516030	34,497,921.738944600	1,380,861.408987650	1,814.836840484
2 ²³	8,388,608	2,424,973.402224760	25,650,292.692970600	3,192,636.162556800	2,117.472915132
2 ²⁴	16,777,216	4,886,012.734131720	34,053,807.976970200	6,836,298.077231120	2,425.202960523
2 ²⁵	33,554,432	9,912,230.507829280	51,946,010.048040800	14,201,370.230244900	2,748.667410256
2 ²⁶	67,108,864	20,077,037.947501600	76,036,127.294232400	28,938,781.494925200	3,354.811399999
2 ²⁷	134,217,728	39,699,265.445644200	138,541,881.144164000	58,621,662.777024800	3,896.831524801
2 ²⁸	268,435,456	80,574,960.793694400	270,706,816.486374000	117,848,154.076832000	4,334.641814953
2 ²⁹	536,870,912	159,876,585.055158000	541,155,675.734672000	236,891,290.917846000	4,493.790655296
2 ³⁰	1,073,741,824	325,081,392.744954000	1,089,742,369.016440000	475,565,638.370068000	4,482.883877535
Time limit		14,400 seconds	21,600 seconds	14,400 seconds	Unlimited

Partially extrapolated values

Raw outputs

Container size (elements)		Rounds		Execution time (seconds)				Digest (SHA-256)
				std::deque	std::list	std::vector	EntangledList	
2 ⁰	1	—	0	0.000000000	0.000000000	0.000000000	0.000000000	76a2ffeacc24cb233f2ceb0b17e12f0c24d5c780f07b4667cbbe3e4961824f9b
		2 ⁰	1	0.000000836	0.000001050	0.000000742	0.000000843	d15434dd4d5cf94e66141283a6f0d82043f266388cd69f84d914b995e6946c92
		2 ¹	2	0.000001186	0.000001317	0.000000997	0.000001105	42dd7be6eac514091fdd7743aaaa1157bfe47a95e0ad6182995c8b7d9ec535fd
		2 ²	4	0.000001516	0.000001600	0.000001267	0.000001105	bf46ab83946bbe71dbfa924dca16c2e33a82279e19570a2f55e8af76f3b92872
		2 ³	8	0.000001935	0.000002003	0.000001612	0.000001105	d2df0c6f9a7ccc55f4698157851e01b90cdc0146b739fa35aaafdf365e89e409
		2 ⁴	16	0.000002463	0.000002579	0.000002074	0.000001428	a8285f208ad8225522529029254b5b17f57f0d6e69fc72649bb8ec4b359f28cc
		2 ⁵	32	0.000003344	0.000003476	0.000002781	0.000002198	ce28dbcba9f371773d4ecd3dc65267d9bbab449edfddfb41ef976e12745caff3
		2 ⁶	64	0.000004731	0.000005103	0.000003959	0.000003592	5875690892afbdaa75e5c56aeb13e857badf2d1c63fdaa1f9e6b5782d9ea41c8
		2 ⁷	128	0.000007342	0.000008080	0.000006132	0.000005950	be4a4762f29490080ed7d8ae66bbcb4b55f92908ecd74389dd1e7ebe95f1398
		2 ⁸	256	0.000012766	0.000013815	0.000010301	0.000010600	e1bdcbad925592ec3a53114002c53767260c10337b748d78dbeab8976717638c
		2 ⁹	512	0.000022827	0.000024996	0.000018218	0.000019581	008905915d5f7f2e81ea5e2d6cc1df905f5b03804f211405bc2ee2d8ee3d0147
		2 ¹⁰	1,024	0.000043396	0.000049314	0.000036088	0.000038650	743b9ab4d0c6ffb55953321e719df4e03f839b6cbd0c5cba498562a21a31bde8
		2 ¹¹	2,048	0.000085088	0.000095293	0.000069922	0.000075951	34ed1d873c7bbd79790960f3fa5f53d9422c199d7e84cdc79b53dd715f72bd37
		2 ¹²	4,096	0.000163617	0.000186062	0.000136838	0.000146131	760f5ae200139ae762ad57907da508aac3c2e016165e64d352d53c85208b1984
		2 ¹³	8,192	0.000322335	0.000374647	0.000266816	0.000290116	6649b7d427d3e0874fe7ffebc3dd6bf35bbe1577c70457da8d074492f0a7d390
		2 ¹⁴	16,384	0.000649165	0.000726820	0.000530736	0.000574519	88a72a832b98cf26625864aac70c3d2dbfd824f4f984a84cdf2cb1c08864789f
		2 ¹⁵	32,768	0.001295127	0.001429078	0.001052476	0.001141519	b2e43f7c8f49d4941642dda8d49b816ac5d9b800cdc1e52891915b759fe45f87
		2 ¹⁶	65,536	0.002579116	0.002871921	0.002148648	0.002275772	12abc589db1c02d075cca568c25fe7c06e2f3ddf0f9509be4c5c51e29117c1ab
		2 ¹⁷	131,072	0.005180731	0.005742007	0.004276923	0.004546721	ff568a42b8c3034db42c6cc1ee1c20697b703b38ea513b59f14127b76e4266a6
		2 ¹⁸	262,144	0.010380349	0.011563538	0.008471789	0.009120161	06439fe8b8002a261021ee6f69427ea19e371d80e71bea8313a91039adfa4dd0
		2 ¹⁹	524,288	0.020658149	0.023207161	0.016950999	0.018196472	3412144df1ee86aee6756a0d56775fc4518c84ddb1d7af99aa4a96b4abc7fbc1
		2 ²⁰	1,048,576	0.041209342	0.046180615	0.033948768	0.036234047	a055dfc3481d0f53814608aea1ec8245c1b4fc4907cd3ba51cf7f8acfafeaddc
		2 ²¹	2,097,152	0.082340134	0.092045970	0.067682530	0.072425401	f94aac06fa89bb57d46cfa2667a05e51842c3dfd93ea2689ee63b6350923c9f8
		2 ²²	4,194,304	0.164827894	0.183920255	0.135459500	0.144839317	0aeef39e04bf84c760de4a683af1771cc13ab9c8e6ed06ed2ffd332d124f33fc
		2 ²³	8,388,608	0.328978180	0.366579963	0.270506222	0.289676274	eef59a22c8682d4203b3f7f4518574c40cbc0a3def5da8a76fcbb47bb0bb72ce
		2 ²⁴	16,777,216	0.657911075	0.732928448	0.541083611	0.579008677	589c766df054ff80aa912c3aaef8f45e6dd4b8b497813d28f59c2eceed8f5388
		2 ²⁵	33,554,432	1.314995211	1.465958041	1.081696413	1.157859784	0a0df8f3d9c8fc901dfac8085ed1360042834fca59f44bebb1da4d632822b8a6
		2 ²⁶	67,108,864	2.630902193	2.930968473	2.161783920	2.316729517	91087fe3f1c4dc759ee1348e8477eaec378c7bfc013fd63838bd0b1ccd118777
		2 ²⁷	134,217,728	5.264770477	5.859224027	4.322973143	4.633464390	0a346cc80e1b1f9a716137c05241e84c1b46bb2e7d7c83e71e4c38403d30cb6e
		2 ²⁸	268,435,456	10.529820396	11.714275738	8.644055076	9.265930379	a0727bac7fa623a2e29304874a4143747270940f0a4e12e447468197ab63e1b7
		2 ²⁹	536,870,912	21.062503035	23.459336483	17.278730189	18.535092846	4b65d8996069e9ec0f074d8700cf255834c980867f0547a3cc2fd0c5b7f0d3e0
		2 ³⁰	1,073,741,824	42.138929353	47.005691197	34.636807283	37.071488522	24b6192cad28ca2714b63a338c53d30154caa8e84f516ec5f997cc079a744f2b
Time limit		14,400 seconds		21,600 seconds	14,400 seconds	Unlimited		

Container size (elements)		Rounds		Execution time (seconds)				Digest (SHA-256)
				std::deque	std::list	std::vector	EntangledList	
2 ¹	2	—	0	0.000000000	0.000000000	0.000000000	0.000000000	dd250e9a9c45b5a629d7931c87d44ad08f4479a0f2be7177790d1a3e0ae26650
		2 ⁰	1	0.000000738	0.000000960	0.000000684	0.000000831	35366ff7bb9f610602c585335778e492fb59a7987971f91e025413d69562af30
		2 ¹	2	0.000001051	0.000001304	0.000000979	0.000001164	9d2fac7c528cdbdad02a093edae4a4fd66e852901582292d02477054b1da98b3
		2 ²	4	0.000001356	0.000001615	0.000001274	0.000001488	11a9f8fc69844ea1f86a703c969c2984d3dd1772e0b2ff9ca9c65c20cb106ab7
		2 ³	8	0.000001777	0.000002032	0.000001652	0.000001951	175dac16176ab50e834c1a0d4d0fa529c94d3194c0ba2ddb0b057b889c3ee93d
		2 ⁴	16	0.000002471	0.000002724	0.000002215	0.000002622	a092829540ccadefef6efc8a70e9d7b5af3740b1e7ee659754b7112fbedd46f6
		2 ⁵	32	0.000003777	0.000003711	0.000003066	0.000007068	e071da1241276cb655106b93aab79866d10e7b3651facaa791a0f0fa5ba81ea4
		2 ⁶	64	0.000005803	0.000005511	0.000004642	0.000008812	17156c47a161a372afebc41f965862aa3eb8f26e0844851d6431473c77a7b86
		2 ⁷	128	0.000009322	0.000008990	0.000007376	0.000011933	50f38257b3dc910daea5dc11ce3875cb873eb893427f13ab9163c0b7f754d623
		2 ⁸	256	0.000015912	0.000015798	0.000012716	0.000017746	a5601cc6800fa2e21930e95198f8ba18de42091c4e31175503aeef9653884a4
		2 ⁹	512	0.000028211	0.000028869	0.000023049	0.000029345	10415ff6b771012d73ef4cf186b61513ec41b051e818509bb2719fc6912df8c4
		2 ¹⁰	1,024	0.000053994	0.000056740	0.000045131	0.000055273	e3ff38b55655b8c0a5e4db504ff0c214d9a10d1d3507f68e37c4734b412cabdb
		2 ¹¹	2,048	0.000104737	0.000111369	0.000088351	0.000104749	7592531f04d24c554a46a769d3ea1f8f6ccc19aac047720bde056346d2442e86
		2 ¹²	4,096	0.000205328	0.000218732	0.000171573	0.000197853	6629cc453f9d32bed8ad7d1ce509e1a0dc6cf36426a988070356ff8302b6503b
		2 ¹³	8,192	0.000405531	0.000433074	0.000339005	0.000386664	a54908b237df524cbef6580f1003c8a949be1f0cfbfa3f5838c2d9085eb75bc
		2 ¹⁴	16,384	0.000809248	0.000853962	0.000673338	0.000765247	851068c3cc8c6364ec22f880ae43916ca95b059e42d7ec160f9702d0f44b95e8
		2 ¹⁵	32,768	0.001606136	0.001691053	0.001347019	0.001518575	cf6b40568cda729a58e8e3672d304f8ec28a21c000dbfb358f1bebfbad8d8249
		2 ¹⁶	65,536	0.003215099	0.003384885	0.002699317	0.003025404	1e31fd1784b739f4e18ed846b57c5f20dd051ba5c82f9074d53bc0f57b356feb
		2 ¹⁷	131,072	0.006431614	0.006731356	0.005388988	0.006029350	7908a96ec3c4f773e41994931762f582520adf4fc19660acff94e566f800a896
		2 ¹⁸	262,144	0.012888853	0.013499564	0.010819852	0.012041295	9128d1d8c6ea5aa43e56c1e9a220b98cd574c8f76240e3b1c4cc7781082b7d82
		2 ¹⁹	524,288	0.025746440	0.027070997	0.021653963	0.024048282	0e00ade34bc12d7735065c40da42102cda30cda1709b72e15400f413cdd05789
		2 ²⁰	1,048,576	0.051390978	0.054189764	0.043322408	0.048064546	4e39bc1d6bf126f24ae3975c4c34ad912542139c585640e32eb3eb8293ab6666
		2 ²¹	2,097,152	0.102588163	0.108187316	0.086523219	0.096078653	3c7d02ab297450daa54a9b04c6650a0eb15d0654fa96551f897cade9df9869e1
		2 ²²	4,194,304	0.205242674	0.216518273	0.172955228	0.192107617	ff51ad60061f96e4b4d2c96e433a95456ac9cf6c71c587c93f86d279eb1ac621
		2 ²³	8,388,608	0.409901891	0.432844851	0.345851817	0.384091645	18ffb6fde9d171e153e5b489571e0ec469bb09ad2b1726c9e827c4b5aaa05ebe
		2 ²⁴	16,777,216	0.819585366	0.865432910	0.691458258	0.768263532	44af6fad75226cb76ef522f50d109e8c450a368cfd8895ed8ea9f7d9f04628e
		2 ²⁵	33,554,432	1.638935807	1.730654972	1.382157338	1.536170053	8436d36e0f7eaae587066d91ef31892beac3d77f36741ff9eae4d9b3029f5096
		2 ²⁶	67,108,864	3.277786335	3.460270511	2.764079939	3.072132649	87b0cc1725708a3d4d464d30741239f274286571f18964e3fe0fe1c525a31794
		2 ²⁷	134,217,728	6.552262382	6.919720665	5.528447328	6.144821570	ac445df9ac0af8184c90a96e243065610539a4e9ee16fdc321609449f0ab70f3
		2 ²⁸	268,435,456	13.093177342	13.836206556	11.055537745	12.290720302	4bd888d5499264c6158c64d73b5a1fc072e81109a54e4c24b23885809f748216
		2 ²⁹	536,870,912	26.196034321	27.653716413	22.110725174	24.581343639	39bc38c9fd610146a899cdfa54d049efd3b2f75aa61f97a90906322d6ff4eb0b
		2 ³⁰	1,073,741,824	52.420286382	55.284603161	44.225749790	49.183121866	654a7cc9c63ab798cf7f4adb8da5614a2e9468b2d861916bfc1bf8d656fe37d6
Time limit				14,400 seconds	21,600 seconds	14,400 seconds	Unlimited	

Container size (elements)		Rounds		Execution time (seconds)				Digest (SHA-256)
				std::deque	std::list	std::vector	EntangledList	
2 ²	4	—	0	0.000000000	0.000000000	0.000000000	0.000000000	16d947ca4831aee76999aa2820e5c3b48171bf4927241da9ebe644df9b690df0
		2 ⁰	1	0.000001187	0.000000998	0.000000680	0.000000758	b90a2cbe7c12d130fdeddb09f53122cc727211620083a90f81ef641b62ebae19
		2 ¹	2	0.000001488	0.000001272	0.000000948	0.000001075	13688bf9e9aa79070accd5cd06ec7bbcdf594d889c4a214b208fe26d89fccec8
		2 ²	4	0.000001830	0.000001610	0.000001283	0.000001526	b23f71ea139e2ec9a89d86eb82c9549f45c446d6c5829dc0678c30c29951e3cf
		2 ³	8	0.000002452	0.000002114	0.000001691	0.000002220	e425ec72358c373ea6c84f3fd3c68410ef26d1aff1f696278443c87a1d65d1e8
		2 ⁴	16	0.000003421	0.000002804	0.000002292	0.000003161	7d6ca60e061ec867dae14ad9bd71c1290e2d50b1b03edf3d8810a343d0044df8
		2 ⁵	32	0.000004644	0.000003876	0.000003252	0.000004538	9227667b2fb79619eb64d3a53e526abb0c957b55efe8b57c0ee1a416991f1897
		2 ⁶	64	0.000006749	0.000005990	0.000004863	0.000006797	288845fea3ef288a16f016daf4247291b65ee99a7bafab80cbb6f04e01e4fb21
		2 ⁷	128	0.000010747	0.000009755	0.000007887	0.000010774	2f90ae9ced34134ef1aa3b948f78808c73097a47421684533ce821493d7ec928
		2 ⁸	256	0.000018527	0.000017102	0.000013645	0.000018275	4860486fb11b28cf7ba1a83e654edff91e639bf4006bbd7ab1aa80876a76c49a
		2 ⁹	512	0.000034147	0.000031621	0.000024920	0.000032788	f7eebd20252ff016a365d4394db098a543253e389656aeac6a6bb217a07969e5
		2 ¹⁰	1,024	0.000067174	0.000061715	0.000048681	0.000064309	c44b8b662067b9094c30eeca54c276af865575d1ed2151c3a3638ebd818c8c18
		2 ¹¹	2,048	0.000130595	0.000120313	0.000095720	0.000125030	360958dcac2057c52abf99beb5b439883c7799d28b6dfd2ae35c74503cb39d361
		2 ¹²	4,096	0.000259752	0.000237695	0.000187469	0.000240731	029a80d42ff832d809f3aa1519e9fb91b9e328d800267e6daec85ffcf949a412a
		2 ¹³	8,192	0.000511428	0.000467067	0.000368318	0.000469925	2a5b84df9091202fa4f694d35b065b124f4d8eaaed9489655867846499416e83
		2 ¹⁴	16,384	0.001004210	0.000932625	0.000733934	0.000929570	b9b8712354f75c597317fec9f04c71cacf574ab58dcd93089166e6aa1cc3be16
		2 ¹⁵	32,768	0.001993441	0.001871014	0.001470827	0.001844249	a0080cc6fb5b3847a7dade4450634feccf5efb1d41d088300856617cf0e5bc33
		2 ¹⁶	65,536	0.003975048	0.003730315	0.002927600	0.003686858	2d657de3d6299e6832f0e57ecf88ef2f08f4b318385a82b401f0389fd0510700
		2 ¹⁷	131,072	0.007917113	0.007489804	0.005870819	0.007362876	8e3a6486f1a0e8d8eab69c9b80ff9751be819f959db579f45691d05a7d8c1ca3a
		2 ¹⁸	262,144	0.015797529	0.015015430	0.011744697	0.014686542	dd5b5a077d888091f82ac166ac01ad8c919cb081f2b1e07208ef2334bc71a822
		2 ¹⁹	524,288	0.031575102	0.030100227	0.023466064	0.029242177	ae860d8759ba94a035c5d318a89037bba96840b17b92e554157272339eb6fd09
		2 ²⁰	1,048,576	0.063110130	0.059951655	0.046843573	0.058274473	7329a73ea0ea3110a6dd17a775063e8d16233e1b7d2aa871f152a757987085c5
		2 ²¹	2,097,152	0.126254574	0.119922676	0.093716743	0.116353763	eeeecc813700c49317ef6d6bd3f03dc1d3e7bc20943ec7545083e5bc1c971e4f
		2 ²²	4,194,304	0.252286587	0.239428874	0.187640927	0.232585663	941aa438fca82f56a38f338640dba8ea4a4d3814dac9701914e350223b72064f
		2 ²³	8,388,608	0.504558740	0.479098096	0.374828677	0.465236603	82bb13fc34a045e1fad713d8a916b9af47834b4e29210b689344c62ed3c34dbe
		2 ²⁴	16,777,216	1.009445745	0.958105188	0.749346463	0.930190085	c3b3e11c39ed50d83f1ccf09b17dc18320b4bf9698a96c7e77d20e889af30090
		2 ²⁵	33,554,432	2.019187302	1.915482393	1.498561271	1.859152841	ceea47f08cbca4e059ab10b00af1c4022538f233d9753d191de13fc01f30d32f
		2 ²⁶	67,108,864	4.038586367	3.830721893	2.997200120	3.722294387	6a841be71d67c6408f552573b695759ffd2a5f3e91f98c0c943a68cbf4241f3b
		2 ²⁷	134,217,728	8.072039189	7.656689877	6.006966372	7.442301408	149ae86f61f748a1729701b7c79675289a8ddb03a679c1a7f416077d5abead6
		2 ²⁸	268,435,456	16.145549171	15.305002169	12.003450849	14.889842971	b7b32e7ccaefb7619a31bc03001270d9811a8a55059faf645c25a1ea4041613c
		2 ²⁹	536,870,912	32.277939785	30.594394511	23.992376472	29.790222215	552c006e8baec9a276ac1167f627c7cd884de4dca702e03a65ce6c467722b108
		2 ³⁰	1,073,741,824	64.525377014	61.183693832	48.001078566	59.584556092	e8a050e2c69994dd7e3b154ef9a42f8b23b09d4fd9ab1cab6d0d9d8ec582885a
Time limit				14,400 seconds	21,600 seconds	14,400 seconds	Unlimited	

Container size (elements)		Rounds		Execution time (seconds)				Digest (SHA-256)
				std::deque	std::list	std::vector	EntangledList	
2 ³	8	—	0	0.000000000	0.000000000	0.000000000	0.000000000	aca16131a2e4c4c49e656d35aac1f0e689b3151bb108fa6cf5bcc3ac08a09bf9
		2 ⁰	1	0.000001138	0.000000918	0.000000594	0.000001015	cf8f2e6079e952a7378eadd6367a89a245fdadd18e96e38c87c03193d213a6cd
		2 ¹	2	0.000001524	0.000001226	0.000000851	0.000001445	bcaf6a291f614a6527b7d7348820373bcebe1652d517baa2fbfaa12cb32a31c4
		2 ²	4	0.000001967	0.000001600	0.000001164	0.000002023	aebf8a7dad7b57111697b093c24e86aaab8b1095ec5d50132414a9020024210
		2 ³	8	0.000002491	0.000002105	0.000001613	0.000002720	735daca0c7e57eb6b908f737144b28e4e938be38a440aee0b7526b285ffc375c
		2 ⁴	16	0.000003340	0.000002848	0.000002229	0.000003927	8f6336898997eca2b48ea813a47c48b1eea7e8c7ac0f6005802d1d1a28b20282
		2 ⁵	32	0.000004698	0.000004077	0.000003192	0.000005929	f7a1e61ae7eeffb46ef6d9567ffe659c73a77ad2d118ba0d7e7e610d46e5200f
		2 ⁶	64	0.000007099	0.000006266	0.000004841	0.000009623	9e71046e716fd599e2b76624a08138e54254ee2fe234f7899d93c4a811ff9385
		2 ⁷	128	0.000011516	0.000010379	0.000007931	0.000015735	b5670fff5cf43d22c5bb0a7230d67b4760b6b26f05ca4e1451ec76a184362868
		2 ⁸	256	0.000019758	0.000018488	0.000013819	0.000026928	62c56940b6867f3cf03f397d504fc1c0936673a8672103f493cebfc5f0bfff3
		2 ⁹	512	0.000037162	0.000034224	0.000024996	0.000048006	7a382bf0219db60e6e11dcade86268928ae55fe807f3d25d96c8752b098fbcb5
		2 ¹⁰	1,024	0.000070964	0.000067298	0.000048877	0.000090537	bc61626bde09d6f415aad90836c0968e205c55b3088429f7fc51cd40910d6ba7
		2 ¹¹	2,048	0.000139465	0.000133174	0.000096173	0.000168686	954780a072a14f5d8d402e2f0da3d73d9dcff4b697b3967f7a5a354b3ebd5e46
		2 ¹²	4,096	0.000273381	0.000268540	0.000190937	0.000319047	270871abfe2e2630552b77161b89523e311e578d078a21525577398898d98e0a
		2 ¹³	8,192	0.000540679	0.000526193	0.000375310	0.000610669	445811b34c7026058b2b81994bcb50705a63da8815fafa0516adec584f9e65aa
		2 ¹⁴	16,384	0.001076219	0.001044828	0.000752366	0.001194872	033e8c9fb8a0c8976a0fd73a3a69c24824850e7fc73eb2ebe3f859fbabf27a9f
		2 ¹⁵	32,768	0.002137854	0.002094408	0.001494756	0.002355032	1c0142a97ddc5dfce3b58ef097e5969326282f64b1a9a601dbd61b4c9a63a930
		2 ¹⁶	65,536	0.004276332	0.004181536	0.002982966	0.004691198	bd80411adad538f2fed53e4260e2db902fb13cae9e3266396c16e20d9d2a48fe
		2 ¹⁷	131,072	0.008528943	0.008311598	0.005931815	0.009350849	196ce923dcd79fe56a085299d001340545a82e489027540de7da16ee20dc776a
		2 ¹⁸	262,144	0.017049583	0.016604364	0.011845770	0.018671973	0b9b948c095dc3e22ba2512d31537835c5ce10977ad284e3ca17239c50c192d8
		2 ¹⁹	524,288	0.034076052	0.033108113	0.023746113	0.037222675	22fc0b08dbec40e5ca06445db03697737aa3ffca9fd263879e45682f14504e10
		2 ²⁰	1,048,576	0.068146103	0.066275198	0.047465866	0.074305896	e058809bf35166c6a8c7541a914d0834e623009a553d3753654944ae098837be
		2 ²¹	2,097,152	0.136354831	0.132736471	0.094801564	0.148487216	620607ef928f43677ea07de024bd4f9766d8fa8187b52f5988643f4f61ed5df7
		2 ²²	4,194,304	0.272427916	0.265550599	0.189597598	0.296852545	bb208c9bc6aae5dccb22d8636108df9c72749b37c4c6451858d8c25007d4bc7e
		2 ²³	8,388,608	0.544773041	0.530950395	0.378933932	0.593458290	76a3c4688861373fdfc2860c8ba54eefd90aaedb7fba5f4f0070dd88b31b3371b
		2 ²⁴	16,777,216	1.089022098	1.061790103	0.757261640	1.186653268	9d60fcc2d32689f414489d03db80d877ce2e8736f9e8a2c8ddfc2780ac16c435
		2 ²⁵	33,554,432	2.178255307	2.123956564	1.514122950	2.373699189	a6baf478a5e6ae5f75c854d764edb5abf587af463ae9105f819477b03c185d48
		2 ²⁶	67,108,864	4.354195594	4.250590407	3.028161338	4.747499774	e1aac17592190889724dd6dce9d1c7c080c87a6cc1ce31565acd30e1e0c4c77
		2 ²⁷	134,217,728	8.708831493	8.503081173	6.053952005	9.494520379	6f8c283fa9abfdb8967b6c5bc7a05f45242b0db6a51c20ae1365574d4d3a0241
		2 ²⁸	268,435,456	17.418940760	17.001240338	12.106675544	18.988760197	a587cfe29457d2c6fbe7548197c1a195ed91482cd717c44ff3a771b763b0f2e8
		2 ²⁹	536,870,912	34.840396554	33.983032834	24.210982778	37.982362510	45febdfa716d3af1ee919c0f8a74d45dd8ec16483bcc794822790baf23fc0bcc
		2 ³⁰	1,073,741,824	69.684519544	67.945242012	48.428842767	75.963045094	b8730e8bec1d70b4bee8e9139b3c215f71857ecf92191568be76bf9e0d721cfb
Time limit				14,400 seconds	21,600 seconds	14,400 seconds	Unlimited	

Container size (elements)		Rounds		Execution time (seconds)				Digest (SHA-256)
				std::deque	std::list	std::vector	EntangledList	
2 ⁴	16	—	0	0.000000000	0.000000000	0.000000000	0.000000000	03c50285b60e6a6dbadb58aaf888d50c1600651f7d1efbc85babf115955a9d82
		2 ⁰	1	0.000003916	0.000000900	0.000003951	0.000000944	8d118c6150812f679aa03a19d73f4d51f984bb4b1981396a5e07d184870296b2
		2 ¹	2	0.000004288	0.000001208	0.000004246	0.000001462	f925f2edbd4b520660939142a79ab204ff37a15e3c78d8c7734153f3eed39a11
		2 ²	4	0.000004656	0.000001604	0.000004549	0.000002386	7c81b12ee6dd8b280fe05dc2f724579c8604fe27185a57650492a144d5fa6e05
		2 ³	8	0.000005221	0.000002140	0.000004978	0.000004606	a2c0826fc558bcd0ae4e3922f22d1a356b480790abd689d2646a101dc72fe173
		2 ⁴	16	0.000006233	0.000002915	0.000005593	0.000006331	00697da94515b54f8a6aff439f221b35f0cf10a1932bca19db910fd893f3ec0e
		2 ⁵	32	0.000007742	0.000004202	0.000006574	0.000009093	d13be18037be819ed39fd63fcae1bc3ae082ad2c3939f34499e6541e9394f501
		2 ⁶	64	0.000010317	0.000006526	0.000008282	0.000013792	afb65a0f6f78394de9cb24ed87f832e2a5a168fc93b4a8d666910931eb430fa9
		2 ⁷	128	0.000014849	0.000010817	0.000011395	0.000023074	8b919bbb4e1a78fac23f8069f61fdaf592865108aee8016ca30581ca119ec613
		2 ⁸	256	0.000024070	0.000019278	0.000017404	0.000038116	0c159f493ffe965755d932b67d4920e9d956d1c39fd79d699955fa8623e9bc22
		2 ⁹	512	0.000042578	0.000035393	0.000029103	0.000070140	c0e52a816d26793ede95e78176e728d0dff128cb791643ac9222dc5d1c991063
		2 ¹⁰	1,024	0.000079366	0.000068835	0.000053940	0.000127149	1ef364b82db1b79e1bb34aca1b9ee55ad38f0f6c72432a47ec6f26e13f1a202d
		2 ¹¹	2,048	0.000157572	0.000134291	0.000101655	0.000228921	2bbefef316bde3b4b5b9edceb6cd67ea72adccee8aedf70ecf1df11d083331b0
		2 ¹²	4,096	0.000311743	0.000265078	0.000197320	0.000422692	9a9b6616998ade4b3c6617e86e824592686be1b3f24f141fcc43ab58793a63d3
		2 ¹³	8,192	0.000610032	0.000536895	0.000387308	0.000801777	6466fe184d72189f0f4eb77b082daa8559eda2d1433254773a4baa7c976d8f8d
		2 ¹⁴	16,384	0.001229479	0.001058626	0.000766605	0.001552546	9adff1e7e46efefb4ebda6c0fc4468b16e8958eced6037846f6e302a6e760bc4
		2 ¹⁵	32,768	0.002432353	0.002095719	0.001526409	0.003047743	a5acb0eed026f7243e3bfe005a51e14b638d6056077c77563f247d89d4ee633e
		2 ¹⁶	65,536	0.004847720	0.004182721	0.003022755	0.006061620	deaff24a048536a55941d6cc9b8aee61ea2bb000c4f7e9f7bcc8f9af88dd019
		2 ¹⁷	131,072	0.009692173	0.008360961	0.006022588	0.012068645	3217b542568ab8c5cd745446d771df44edb7a652f9318a0550240d742c132b2a
		2 ¹⁸	262,144	0.019330199	0.016690934	0.012058699	0.024070107	37334ad93bce0ad17cd30ea64c7e54e05b968560bc0db53b93571d1b5a384e33
		2 ¹⁹	524,288	0.038619787	0.033329864	0.024123995	0.048043683	49da1e755ce1eb98c970cfcc8f8d2fff1531c72d8ab2f0921a30dcbe533cc126
		2 ²⁰	1,048,576	0.077177682	0.066801921	0.048238533	0.095957439	cb42eb8948043d77b54bbdcac81674912535b398e2ec34421f50272e913fa80c
		2 ²¹	2,097,152	0.154462404	0.133574304	0.096461488	0.191728905	b37b5565f2af4e4e15791a076b9a1e3c4f6dae280f53563ad7f15cdd7649bfce
		2 ²²	4,194,304	0.308604756	0.266499878	0.193103570	0.383185378	d93be73a597a6d19c263be1366a924ea65501b657d0fd6b6322a391f2eaf6ce9
		2 ²³	8,388,608	0.616433495	0.533101764	0.385997409	0.765979069	66efc7e6660fc924e0952c2d9064947d213752c192db8a19e007f3bf84e104fb
		2 ²⁴	16,777,216	1.232229374	1.066152551	0.771922350	1.531613581	10d5a8448ea77ee4fef020d7a2738e582686bf069198bcb8ec74c14c2b4103f5
		2 ²⁵	33,554,432	2.463798747	2.133382252	1.543388041	3.062391958	2e91a693fcd2479e0515d0038d7698ea20a816c7395c38619111c9ed89b30a77
		2 ²⁶	67,108,864	4.927552097	4.264234299	3.086658292	6.127213721	517eeb40d6ae5a3664ae13320ce02bd831f17bdd0ef3f304ac890d567289e6ac
		2 ²⁷	134,217,728	9.855233949	8.526272496	6.172786143	12.258757394	ab60c486b94f77556fcfc2a0b006c0715c6ba2cc99c42b622b147d7679ecee6a
		2 ²⁸	268,435,456	19.710892607	17.053446775	12.347919707	24.516871501	ecf86813f454ee3a8331c338e78759bb6b4757de620b34c5f5567be34cc1c5b1
		2 ²⁹	536,870,912	39.425431438	34.122957516	24.699091902	49.036479967	ec3e12b9d8e1a90e64b5ac349342e8dfbd05b79b08b8a2d093ce932d384ccd74
		2 ³⁰	1,073,741,824	78.856975645	68.248391690	49.396787170	98.075715804	c2aefc71056b73dfa57d92b61294c05b17cbe4231a34072ecf019a7cd69277a0
Time limit		14,400 seconds		21,600 seconds	14,400 seconds	Unlimited		

Container size (elements)		Rounds		Execution time (seconds)				Digest (SHA-256)
				std::deque	std::list	std::vector	EntangledList	
2 ⁵	32	—	0	0.000000000	0.000000000	0.000000000	0.000000000	a0340f512a454066e4322367f875800dfb4a24bbbc24993ea8cc8efc6703180e
		2 ⁰	1	0.000001350	0.000000984	0.000000725	0.000001074	2a5f8f608014fdab73da37f04d5b90cfe6942b31a2c9c27a74538d7cb4352e64
		2 ¹	2	0.000001852	0.000001322	0.000001027	0.000001576	f49b89887143245cc66bece8147e9bb4a4eb2706472fc78ed340685b0623d300
		2 ²	4	0.000002256	0.000001714	0.000001365	0.000002332	4bc974dab61d544038852f82d60746a24372df76e2a09d14562f34c73675dbac
		2 ³	8	0.000002801	0.000002257	0.000001764	0.000003396	1953acd3d4cb575d47fcc9c9ae4c00e240a29f93ab004e9a1160dddf4bb576e
		2 ⁴	16	0.000003890	0.000003127	0.000002370	0.000005048	6992e5db34264c639a1f64d8ea32b89e7e1d0c6b32d55549eea1daa4d085c66
		2 ⁵	32	0.000005349	0.000004542	0.000003352	0.000007898	8c30e334da69db2e6e516e174ea03d594652c1180236d049567c095678755439
		2 ⁶	64	0.000008212	0.000006939	0.000005019	0.000013315	d8b58c9bb40686a8f62bb6c875a5bcf8e567030482e963c8eef9baa3473de9c9
		2 ⁷	128	0.000014038	0.000011502	0.000008170	0.000023482	1772433b7b411556827c04685dd836ef042000dc969b05100df68dbde2fde3c9
		2 ⁸	256	0.000023852	0.000020070	0.000014219	0.000041410	5ca66a43ce90fca0d8d15dab1ebb50e27d17e2b8d54886e404d21a16c4a78bac
		2 ⁹	512	0.000043976	0.000037133	0.000025767	0.000077034	f442eb78c3a2457386a1d20faee66c63ce77765dc921ec669f596c24eb74e066
		2 ¹⁰	1,024	0.000083256	0.000072220	0.000049946	0.000143469	273211ea6f997ef9854a0d6a647a0b79d3e79c3347dabe5a8c044b09d6a0757c
		2 ¹¹	2,048	0.000162916	0.000141414	0.000098197	0.000265999	b3d34c28a539864e6b408c9588fb1bc21be121286d5f61039b0cb3647279a22f
		2 ¹²	4,096	0.000315128	0.000276275	0.000191904	0.000496739	57caf620718fa3cc4c5c8af36964b228c43c6deb7c75f05fd292ba80b48508f1
		2 ¹³	8,192	0.000621678	0.000546687	0.000377784	0.000950107	fe3df8f4e26748f5aaa02d2161b9488135022af01a67ff8030f7b0caf0da9886
		2 ¹⁴	16,384	0.001243270	0.001089008	0.000749640	0.001838660	c8c08b133e55135693bb1ad8bf70683fa9d8736f6936dd3c29ec220a257d533f
		2 ¹⁵	32,768	0.002476684	0.002184286	0.001495775	0.003626267	2025e5017b0f8936410d6ebe20247a96bcac5b43a1d49e7edc064706c1e36042
		2 ¹⁶	65,536	0.004959180	0.004368506	0.002994752	0.007169938	b2690e44683872edb317d38d3649035aca1bb6e812d6e225365bd6956ce3954f
		2 ¹⁷	131,072	0.009964156	0.008718676	0.006002048	0.014231909	3331e7f49e347056867979169470b279704d66b527f851bebcd479ef26f63fa3
		2 ¹⁸	262,144	0.019924700	0.017476455	0.012038873	0.028313817	39500560bbdc72387018a1b2f20ad018be0dd59b98bc59437f75432ab37882ca
		2 ¹⁹	524,288	0.039820645	0.034854118	0.024059836	0.056539483	35d59e8546cb5e91c27286fe8768880e66bbc1b0393a180de2f725dee2e5d96e
		2 ²⁰	1,048,576	0.079629215	0.069611919	0.047977444	0.112909986	4f1d0d3821ddb63c0f39cbc3092994fa7e157dde1b8274197bd5281fc5a2eb23
		2 ²¹	2,097,152	0.159346415	0.139214056	0.095737152	0.225371198	0fb7e3bab5105fc09384c06db63d04bdbdf13f87e47214eb269e3e6bafd46b3d
		2 ²²	4,194,304	0.318426836	0.278389891	0.191658192	0.450221243	7c47e9332aed7a70fbbe90a07a91553d880af6709448aeeb0a0b0b880b103be3
		2 ²³	8,388,608	0.636915064	0.556915187	0.383078035	0.899917360	8a42808a2424b7c0726bb7886b3caf3119a774863ae50bf69d300a795d5b24f2
		2 ²⁴	16,777,216	1.273539856	1.113923387	0.764773927	1.799472364	25a71a615564ccc8861b2cd5af660c1be183a76ed874669e9b0fdb141458196
		2 ²⁵	33,554,432	2.546244001	2.227581368	1.530629735	3.598314262	1306cc622d07f74a5b102ad74fbf6aad7aaf67e79c2cc8144c7cfcb44c09f7c1
		2 ²⁶	67,108,864	5.091715301	4.453144511	3.058201799	7.194780544	c27255281501f2c04ff0f783cb0e5185874fd22c556024bfb71dc3ea85e3fffb
		2 ²⁷	134,217,728	10.185153301	8.904089099	6.114286609	14.391854124	ad2df0520773a5ef9d2d272f7cceb1c7aff892739e9010f0dbb24089dfe032aa
		2 ²⁸	268,435,456	20.367728802	17.808418792	12.233435691	28.819554776	3b2487dca24d2476db05dbd11f925326dde8ba146edf1378fe7915db2f6f762f
		2 ²⁹	536,870,912	40.732850387	35.615379077	24.473505818	57.683667398	1d2db56715f1b3db3efad476b6373a34de0129382b886427e019308451dfca14
		2 ³⁰	1,073,741,824	81.478205776	71.221911538	48.918406748	115.365072176	ad87d7535e4ba04ecad21ef202727e1b34865a2bd46799235a210a532429efe9
Time limit		14,400 seconds		21,600 seconds	14,400 seconds	Unlimited		

Container size (elements)		Rounds		Execution time (seconds)				Digest (SHA-256)
				std::deque	std::list	std::vector	EntangledList	
2 ⁶	64	—	0	0.000000000	0.000000000	0.000000000	0.000000000	599cf0fcf4cf48451d6681812fd4d427f73ba198948f18c0bebef66f9e083f5c
		2 ⁰	1	0.000001203	0.000000921	0.000000656	0.000000732	2d17c429d54aba68132e073ec065b626bf501f7d99ac41b7dcd54d03590b0354
		2 ¹	2	0.000001626	0.000001248	0.000000969	0.000001309	28762ec7324187d145ffd3fde6f10ed329b97988a95597c295e8eb258f24f46f
		2 ²	4	0.000002142	0.000001654	0.000001295	0.000001984	49002a8f0072d202b46d16b6ca94649a42b8e6a76a6874bcecea72070b38cc33
		2 ³	8	0.000002804	0.000002282	0.000001757	0.000003026	5c26df5a031bd14a4bc51ceecc9ad5ee0c52998ff68bcac1657e433cd15c507b
		2 ⁴	16	0.000003886	0.000003168	0.000002444	0.000005023	9bda5877be857762a260c79d2f2c9b5f6342fe28b5810e7220db8b3c97c8f709
		2 ⁵	32	0.000005973	0.000004633	0.000003493	0.000008465	950a935e22c7b52b8f4cb96b863d22eb75dc4cfd4c5bcb0b7b62e40ea381e04
		2 ⁶	64	0.000009276	0.000007334	0.000005349	0.000014651	48936d78c785536b6ffe82486a875f593339dee5cd9b92cd4a40692610adba0e
		2 ⁷	128	0.000015054	0.000012256	0.000008769	0.000025568	0c3f971a46593e8a5216fccdd01d8325f47bac813e75018af56dccba0297b732
		2 ⁸	256	0.000026636	0.000021760	0.000015192	0.000047328	438982f94b6ddf3f1afe11da095d942e503553fc7ae7bf2f157743dbc018ebc5
		2 ⁹	512	0.000046976	0.000040374	0.000027774	0.000087566	df595ed0c0c5eef3f8e79678e40b2818b6bdc7409e55a1ebc18b39beef087a95
		2 ¹⁰	1,024	0.000085087	0.000079468	0.000054023	0.000167784	15656ffae25fd7eaa7d2b260f6fda75a31b6965cedc0a47db573f566d4de6328
		2 ¹¹	2,048	0.000160205	0.000155779	0.000107179	0.000318784	35d126e9d57326a1379c0092203ff07221818e45991447de3054bc36e6d73b16
		2 ¹²	4,096	0.000328854	0.000307409	0.000208744	0.000600663	6fb171e1f5d917eaa3c35c206e38c22fd00336efbb4332c1b2ef6daf6b524494
		2 ¹³	8,192	0.000650442	0.000613760	0.000412032	0.001144601	d4f01df4eb420527b77690af41666b4d64cd3fe5b8c28dffcbaf7676a84e2dd8b
		2 ¹⁴	16,384	0.001291140	0.001229115	0.000823885	0.002231108	5688ac26fe1521f84fe62618122bcb9ba98291b9ea504ec4d3cb10ea4a0d3344
		2 ¹⁵	32,768	0.002604632	0.002435150	0.001645450	0.004381286	59633d79f3f1e77da52412fde5fe84c88a9e886da5b33c4c73b677e68de73c81
		2 ¹⁶	65,536	0.005159071	0.004878622	0.003289830	0.008645006	b5491dc5bb11e9d998b3556235c7444845ed5373d8380bf0ff3b2ab3fbf428bd
		2 ¹⁷	131,072	0.010308070	0.009755360	0.006584791	0.017188536	d9cf4f02560368bee3b47f05fead335d8e488fdb0a1e45dd0cfff350d3102ab29
		2 ¹⁸	262,144	0.020679486	0.019489372	0.013147249	0.034208128	e08b4cece74ead2efcb30cd4642fa1c78dd14435d8153320a16d047b5bcbab66b
		2 ¹⁹	524,288	0.041393496	0.038887000	0.026265501	0.068133331	c55d850a0640a9796f074eb3e1abb25c9e81bec720165c4bab07c27c5d660e1b
		2 ²⁰	1,048,576	0.082733286	0.077632259	0.052506146	0.136172008	f938ec2a6a66c9ba2872e4afd7bb964dfdbb53faf7d9ea6fb78be5cf12ccee33
		2 ²¹	2,097,152	0.165612994	0.155020019	0.104977972	0.271929085	486930fd4a82313815ffd59dd7586f11d37ccac14df5e8b9c0b25ff9caed4706
		2 ²²	4,194,304	0.331155051	0.309773820	0.210018552	0.542995597	4b853e2e03baff75d19e6a60fb31bf3a79f36236d444acd6270ab9f85bf77756
		2 ²³	8,388,608	0.662979633	0.619280058	0.419879512	1.085524759	c92dc73462b87153431d12876aa845ecbafdec02df0bb0e84f90b2a4f14fef45
		2 ²⁴	16,777,216	1.324820777	1.238195368	0.839849203	2.169867939	3094bec0670662ec8fdb6371cbc3424d9e311c9034d225cec4d13c3055b4aabd
		2 ²⁵	33,554,432	2.649131483	2.476215834	1.679062808	4.339879276	01ef498b711cd6999a56db84dac3d04c48cb85ddefc8f14b687061ecc46d33a7
		2 ²⁶	67,108,864	5.297700002	4.952877313	3.359309610	8.680489314	9e1722e300d3a038712fb5779cb29af6dfdd1519342babf791d34710ab33edbc
		2 ²⁷	134,217,728	10.594686464	9.904013066	6.715989400	17.361176231	fe81714fcb70de81d286538632904b0ddbc425ac1256902176c869ce837528c6
		2 ²⁸	268,435,456	21.191454134	19.814405270	13.428456107	34.741077315	df7a93994d58fd2479f6c933b3ed1bbcd9d1c39d26d9e8da4b934477e541ffbc
		2 ²⁹	536,870,912	42.386211346	39.626442474	26.856703606	69.559149934	a29169c844def73db93a4b57110b891c4c35dfe8f3ec2abdce6df1246d04104d
		2 ³⁰	1,073,741,824	84.772440930	79.248508036	53.697005643	139.154032792	12db00adabfaa892167ada9b80d78a7b66e52f28c6cd018d1fa9887ba4804b4d
Time limit		14,400 seconds		21,600 seconds	14,400 seconds	Unlimited		

Container size (elements)		Rounds		Execution time (seconds)				Digest (SHA-256)
				std::deque	std::list	std::vector	EntangledList	
2 ⁷	128	—	0	0.000000000	0.000000000	0.000000000	0.000000000	27f1739a0d7d369761fdbb22e73605d54699679ce2680222af7cfff186ce1ead5
		2 ⁰	1	0.000001231	0.000000992	0.000000772	0.000001265	5ccce2f562a7b0bc1119e611cf672eb3772b5c0a7589ac7baafb3ffa65b71caf
		2 ¹	2	0.000001662	0.000001317	0.000001088	0.000001770	66bbef90be2540ab0853c2def9bd4f8ee3f89a629c417f39d879ceaae42f5681
		2 ²	4	0.000002211	0.000001741	0.000001414	0.000008767	de98a1b108ad060e4abe8ce4a767fcd40845f8d36eec59b486a1a927fe188305
		2 ³	8	0.000002979	0.000002394	0.000001914	0.000009897	cef46bec16bd2edb1392501f29eb7d579d4d4161456d4d4beeabab22b50205a0
		2 ⁴	16	0.000004295	0.000003474	0.000002612	0.000012253	653fe4e44754055e7df1df5b093c2ef1e23982dcc8626e9d50809fe53b6fedb3
		2 ⁵	32	0.000006319	0.000005232	0.000003816	0.000015787	6f9070f169dc1321a082948cb44bb42e7822f7f1a47b4fd90e2517bb54963179
		2 ⁶	64	0.000009720	0.000008611	0.000005922	0.000022408	c2f7557cfb33956658bd6aa0c212f3295220c57ef40315ba1ed64ea2a71e0064
		2 ⁷	128	0.000016140	0.000015297	0.000009782	0.000034767	a39878f4f3cacc43be23638c49def5a704489b62d9902a0d8f9a4eccfc08ac0
		2 ⁸	256	0.000028559	0.000028010	0.000017393	0.000058459	9b3bbd3223826490520d6150758aa9992990f07960bd4f3f94d168a6ecf99047
		2 ⁹	512	0.000052485	0.000053279	0.000031834	0.000103985	6ad41063c5d8787f5046ba631a738a71c52ce4d288730b07ecbedc1f8f24bb2a
		2 ¹⁰	1,024	0.000099316	0.000103725	0.000061620	0.000195354	6d2f9ed4e633e57283eebb629a5b60c1a2735e17a3308047ab89672ef2f8f23c
		2 ¹¹	2,048	0.000195861	0.000208186	0.000119625	0.000372912	b8e2013de56e2e28e87928d501be08a2bcef9fe5437a12dfd546a7fee187e81
		2 ¹²	4,096	0.000387589	0.000412185	0.000236926	0.000714744	a1b2465cd0d29f232a1199d21fe965dbdb27dd58bd7b3fa39b1c98741e02a8b0
		2 ¹³	8,192	0.000765059	0.000828462	0.000468835	0.001387739	f06cfecb7a01cce129e1e67abb06b6c7383ef39f3c5e625d02a862fea9340c2e
		2 ¹⁴	16,384	0.001520203	0.001643505	0.000934411	0.002672312	35e5c7b0b94bfb4c45ff9696d6114f595cc38f439982c7a0761435a7e6d0d274
		2 ¹⁵	32,768	0.003022764	0.003282220	0.001858912	0.005239710	9f468ec175346cbe3fab6dcd1a76102382a72dfff6bec551bd9a25c34758103a
		2 ¹⁶	65,536	0.006066026	0.006572833	0.003705830	0.010336528	9acc5dddb7e4fc08af9bdb7c7ac231025efc53a95cf9bbb916fb8dc29f116541
		2 ¹⁷	131,072	0.012128856	0.013134294	0.007395558	0.020495759	d8a6b33d7bfd4edae29e3b936d4d8c5c600c899f8182d2dd6bf925f2a28caa4e
		2 ¹⁸	262,144	0.024148766	0.026267342	0.014800311	0.040888658	ada0175a18fdcbc34aabc7e9a165a9a87c711f19c8b446d5580e1192b3a0607f
		2 ¹⁹	524,288	0.048242660	0.052518227	0.029557767	0.081750962	9b5bc64dcba16cecaeccc2381df7cb82b34bc4a3ed9d0b89403e0482fc957c6b
		2 ²⁰	1,048,576	0.096427046	0.104995628	0.059059649	0.163234420	f729dc22fbd68e46d5d805c25cd118861d78d8939b0aea47c6543c2bb0981661
		2 ²¹	2,097,152	0.192801657	0.209953082	0.118177518	0.325929422	3243194f615341eaf4596ae34a6323c96fced40e63e10f5b6fc5ce8f9ec26a06
		2 ²²	4,194,304	0.385435072	0.419708326	0.236231879	0.651840217	d27ca59e2f834be0cb57d52cee3a91dcfa581f492ed456f8a69a2f132210b05
		2 ²³	8,388,608	0.771042347	0.840109355	0.472382196	1.303462574	5316e4e6efc9531ba1428f1786d8a9e61ca55ab6240ff4e14fc9ad6f2f65ff43
		2 ²⁴	16,777,216	1.542357100	1.679927548	0.944481943	2.606590585	e3ab3d165f311714ba3b66f59898a9d91ff52eb034ad247ad105711678addf8c
		2 ²⁵	33,554,432	3.084933106	3.362961466	1.888282454	5.212352591	fa6107fea372b96e1c6f471d131a4d51a1cf99625a57939066f38da9d9d2bbdf
		2 ²⁶	67,108,864	6.168821287	6.726777827	3.776161686	10.424022104	277d71ec15977a1b0603f36b924bf1c39fe535475ac22883b283b28ee0fabbb5
		2 ²⁷	134,217,728	12.334995332	13.459014456	7.549515796	20.846565073	b4912be429bf6d582b5eb514b01fb2a38d83a05effb2ef134d07af9a2692107b
		2 ²⁸	268,435,456	24.667068929	26.926228485	15.096552496	41.717627278	6857eb6c6ccd7f6d9c1dfb630eae35b4322b6d2ab10bb366cec0865a6bcf595d
		2 ²⁹	536,870,912	49.346030181	53.858645480	30.193881288	83.406627346	e4ad542288551940f865613e23895002ccf8bb22ca896327371407018b01169f
		2 ³⁰	1,073,741,824	98.693915215	107.553061174	60.392590058	166.795366634	eab860cdcb6c093dcb3fa66b8e76671417c7716c833e86aca5de43ac54754896
Time limit		14,400 seconds		21,600 seconds	14,400 seconds	Unlimited		

Container size (elements)		Rounds		Execution time (seconds)				Digest (SHA-256)
				std::deque	std::list	std::vector	EntangledList	
2 ⁸	256	—	0	0.000000000	0.000000000	0.000000000	0.000000000	2ffa504d93940fb2bb2017c51b4bfccd44d7e6199c0a6493db920ca9e49a42
		2 ⁰	1	0.000001385	0.000001095	0.000000746	0.000001082	cfaa32ecc3e4c3f82ec90dc8ca29cf051ded4877091757c8d997614e80b656da
		2 ¹	2	0.000001908	0.000001536	0.000001057	0.000001663	160e89ce096b5f626afa7ae008a8c925c4ff91ac5668e0d8601f50286a0cb780
		2 ²	4	0.000002515	0.000001944	0.000001442	0.000002322	7daea9967c30b7a258eda84cdbf498535cc44f2a2d5748724dd6d78d55b81a48
		2 ³	8	0.000003357	0.000002755	0.000001953	0.000002322	5c0691d6857e7a4c24fe63ae1cf5041f687e8b1535f828ea0c6bb509dde53259
		2 ⁴	16	0.000004645	0.000004131	0.000002710	0.000004242	5cbca8236afd87f6226a3348eff10f045f1b9f664aff8c63abc54ff5daf23d28
		2 ⁵	32	0.000006832	0.000007034	0.000003908	0.000007960	f4e3abe2c4d348ef1c9e1c03624229d75e985487c5f758d05f5db1f2bef642b9
		2 ⁶	64	0.000011015	0.000012339	0.000006004	0.000014925	41dba9714060330a4a0d10ce4451a68440db55f9e78e6f45fdd6259e032eec77
		2 ⁷	128	0.000018846	0.000022718	0.000009947	0.000028153	2f276dce4e4e25198beac5a108e6c5f896f9f953f1cad995dbe5a90ee2b056ec
		2 ⁸	256	0.000034114	0.000043333	0.000017904	0.000054552	9fcad45d800c03f236ff9b67bc0d4c73e3cba5bc7f5d0934ccf6e1db9062ffe8
		2 ⁹	512	0.000063762	0.000082591	0.000032356	0.000105202	4b5b13c4f6b742432810514d3dad5f3026664f0c8166b30a5c08e60d25f051f7
		2 ¹⁰	1,024	0.000123026	0.000164405	0.000062413	0.000206885	4007239497e00fa9bd451bc3d295d9fdef7e104f2d9a7cedab9a1a47a784e30d
		2 ¹¹	2,048	0.000235356	0.000328218	0.000121536	0.000402218	5508562f7501a9d246a3e9a32918ba4dab7f22e772fbb8c26f0633e0feaa3171
		2 ¹²	4,096	0.000463619	0.000648296	0.000236214	0.000782844	63cd3e9aeb159e3482af770354c81b56272269a51a1938f8879dd992a37d5336
		2 ¹³	8,192	0.000918995	0.001300813	0.000467955	0.001540377	f0ccf4e0d2bf929b456d6bf5883ab102dfdcb20262198e5b8b8810333ef9a7f6
		2 ¹⁴	16,384	0.001833861	0.002589960	0.000926430	0.003025527	fb732c05697f15910fad11ccaf7edd7b181ec1942c1826680f4b31e29478a838
		2 ¹⁵	32,768	0.003668693	0.005181548	0.001861385	0.005997233	3adad645d3727ece6e0b732ff90856cb1ee5252b005d4de4e29dedccca6063d3
		2 ¹⁶	65,536	0.007369029	0.010358675	0.003713743	0.011950639	ed841d4d26bd262125ce768776d6b14d4768adfe1a5583aaef5a5b00d741a96d
		2 ¹⁷	131,072	0.014725735	0.020696050	0.007400918	0.023773163	2761b4ba92d6630d3402d091ebde6f6c29a89f4c8985c9ff01db0d34a62de23
		2 ¹⁸	262,144	0.029425897	0.041364062	0.014811321	0.047375008	9a1c2c66baf9db36f0062e299df16c2f150210412ea9eaa20274b1154e5ed1eb
		2 ¹⁹	524,288	0.058772386	0.082669146	0.029596305	0.094713811	bb549a4ee500b970ee629aa659f01f860c3454686a73621c6d38bb53affd6d14
		2 ²⁰	1,048,576	0.117822945	0.165545288	0.059120757	0.189187153	5e34d9e3d8e2bea824953072a24b80d4e4534c3a7ffefdf438231590aaa9ad81a
		2 ²¹	2,097,152	0.235832068	0.330822899	0.118497893	0.377891011	ab9bb0f91c617074963e2dfe12301aaeca4f21a8d0819e63f3fc5b21b1ae8643
		2 ²²	4,194,304	0.471294417	0.661516592	0.236800293	0.755763747	53a0ff875f1c64e6c923cebe5507feb1491197e828f1214407bfbcd607adb6a
		2 ²³	8,388,608	0.942738270	1.323014553	0.473416128	1.511379897	be2f80be5ed0cc10b0fb176195db18e6ee71fce9229565507c5054d6cc4c5448
		2 ²⁴	16,777,216	1.885345603	2.645571693	0.946355757	3.022592582	10135c680a7a653c2a06a5fe1967046f6a2492b6353001d1435bbc15dbc8539b
		2 ²⁵	33,554,432	3.769733668	5.291533445	1.892536313	6.044466835	b95ce4cdc80f3ace2f652090faa49dc637133e601d9a4b0a01095536654b8bf5
		2 ²⁶	67,108,864	7.537437211	10.584209845	3.783704790	12.093080240	f06679ab20b30b202ec2915441bc8c6c3e763855751e52fe58101ef3a0efb505
		2 ²⁷	134,217,728	15.079314605	21.168101006	7.564984424	24.202143387	4acf05976b0984d9ac3a6d2ff55553f1baede7df498d28b4350680c4618d634d
		2 ²⁸	268,435,456	30.182112360	42.337826224	15.130334506	48.430164719	d65d35f57b27874918b1e9125bd2e9dcf8eee8b6e8a2dc1803684de0e92783f2
		2 ²⁹	536,870,912	60.390173901	84.675997865	30.257430825	96.880110351	d5d642ced983834be9c49d8cf28d1b713b204fe5720f04cc48b0f1fcb864c513
		2 ³⁰	1,073,741,824	120.764986833	169.347542163	60.512420639	193.770890611	0b9c31b7aa958fd183046496950b0cec2bc46c42fe3a79c2230d5f7e7659b28b
Time limit				14,400 seconds	21,600 seconds	14,400 seconds	Unlimited	

Container size (elements)		Rounds		Execution time (seconds)				Digest (SHA-256)
				std::deque	std::list	std::vector	EntangledList	
2 ⁹	512	—	0	0.000000000	0.000000000	0.000000000	0.000000000	e510e33e6c9a0ae38cab52875244075f920c9f34b10548c5304bb5c6a4bff374
		2 ⁰	1	0.000001233	0.000001199	0.000000848	0.000001402	2483754c4325004d0335303ac90b883b7b920d22963cd01a08505ff1bc79ed09
		2 ¹	2	0.000001706	0.000001817	0.000001194	0.000001871	44d4dddc0c476b17cfd5ef992bc7543a0bccf5b722a16c30a76ef0eaea79d85
		2 ²	4	0.000002418	0.000002782	0.000001595	0.000001871	6ae5e39b711a7095d14e5a68e05450a8347370ee871107a728bedcc6f201ca5d
		2 ³	8	0.000003324	0.000004284	0.000002150	0.000003582	2b1892e23b5aabc36e338f40df9d101c0abe603daeba19d675cbb2da0c44f691
		2 ⁴	16	0.000005059	0.000006922	0.000003018	0.000005556	4d04ea6f65d63b23a4b89eeee889d417663602f533b665421ad1b23736268b1f
		2 ⁵	32	0.000008053	0.000011948	0.000004490	0.000009451	72c49d6393c9408dbc364107f602eb78de2b798cab616d5f73eeb3508e49b574
		2 ⁶	64	0.000013489	0.000022276	0.000007154	0.000016966	4bbfc190c9e6a90fed2fec004736372a33d6a5d1d22496789290a416a2945e52
		2 ⁷	128	0.000023413	0.000041044	0.000012365	0.000031150	cf199f2502a9a841e3fceb842a736715bb09ceb817f2e8ebc3ebce216b50f567
		2 ⁸	256	0.000042270	0.000075957	0.000022938	0.000059917	42339055d37cda49961ed127bb5e1eb69f7c1dd1f9007ddcec7e43fe7917ed81
		2 ⁹	512	0.000079750	0.000150366	0.000042507	0.000115960	d8834fba79efe8cb5da9b1430232d3877a52dae4499d17220f6f58a6aa7c0d98
		2 ¹⁰	1,024	0.000156920	0.000300826	0.000082681	0.000227983	7cce44e21e300106c025a95ade72ec768f4837cc541519eda8396d685cea8a46
		2 ¹¹	2,048	0.000305746	0.000603134	0.000162467	0.000444103	e4fd1fe025414ecb09ae4d72054b75f97db562e320eb2a8096f21db212ab780a
		2 ¹²	4,096	0.000602325	0.001199967	0.000319890	0.000869228	a5d1aae38f4258c2b62b71cc15776989cfa51955a69a4d53ea4784cf918d01a5
		2 ¹³	8,192	0.001194900	0.002393476	0.000630188	0.001711340	da118c4304b9d761adcb4fd66423d858477f8a1b98d75a9387540bf0706e39aa
		2 ¹⁴	16,384	0.002380886	0.004774827	0.001253910	0.003392228	dc9491ca15d51086f2cb16c1eda7bc54d8dcf3619c36425f5df13dee368aa96b
		2 ¹⁵	32,768	0.004753311	0.009558033	0.002502120	0.006743838	f469aba6fb929aac7dd79dc02237a04a9809de96982bb7d19301686c16025207
		2 ¹⁶	65,536	0.009509956	0.019119423	0.004998101	0.013443978	bc5b88ff3509fc886520e5419e968639df2e498f572223798fc0321522473013
		2 ¹⁷	131,072	0.018983787	0.038275540	0.009991524	0.026748612	da5198abd601b8cbd4d6d775f5c1c07dcfb3605d29c16e9dd5f6a38ab60ccfd7
		2 ¹⁸	262,144	0.037946413	0.076413913	0.019963968	0.053374778	36fa89d1b8c9dc90770bd599c88ed2c202aa2994d5d9cdf202fd21cdb15491fe
		2 ¹⁹	524,288	0.075719872	0.152976506	0.039831090	0.106541975	044d1023e917f12e1964458e3447670e009b7daeb3c7693c53dfee4e6f46faf0
		2 ²⁰	1,048,576	0.151705086	0.305892102	0.079521906	0.212921531	46964680cbf44f4840dd4d895b2a955119102d67afcfd55419f88d7eab6282f2
		2 ²¹	2,097,152	0.303318503	0.611629373	0.159057882	0.425590092	c5fbb54594422f19adc77ce52c6f7c3ba272fb75e48edf39077106e367f31a6a
		2 ²²	4,194,304	0.606637282	1.223016032	0.318223055	0.850560545	0ef078651ff3f4a8f8514499d7c3b21869f30b379563728701ff19936a68efc2
		2 ²³	8,388,608	1.213087156	2.446209146	0.636303958	1.701227761	ce3b1477b4c5b4681a2c4e92ca446468ee83a6bcce06ff73c0954df67c121cae
		2 ²⁴	16,777,216	2.425890689	4.891928479	1.272592540	3.401903256	cf9daad0ba84b977ff4e42b25c039131eb5d5a66bf5418a656146d993f8e8ec3
		2 ²⁵	33,554,432	4.851990445	9.785401676	2.545556741	6.802467405	1e2fce72d58c1c89995cc282668bf35139f64fc9959d0aa3ff77e90e29d747fa
		2 ²⁶	67,108,864	9.709687164	19.570395378	5.088799359	13.606512823	3de69c575ee064fa5cbacf4bad277ae6b9a92bbd70c4f71431c4135a18cdac2d
		2 ²⁷	134,217,728	19.433048861	39.141040966	10.174777565	27.211781095	202787a801290ed64c088e9dfd8fa2818f606358fa0bc8590cf2bbc77389228a
		2 ²⁸	268,435,456	38.879414666	78.282126767	20.343656399	54.422742920	722372ce4a7e57667b4a9953d0864fabca1a473981147758e39907d33ba27a20b
		2 ²⁹	536,870,912	77.720269222	156.566698961	40.679485211	108.827330891	80018ebb7ae9d8ce27dcccc6b06f2def31660d96b19ff32ac7e46ff40102cef8
		2 ³⁰	1,073,741,824	155.412522204	313.126910568	81.349783710	217.623943133	e248127fcc302135986347f971d3f3b41569cd555a2e7b06553091af6bfccb4
Time limit				14,400 seconds	21,600 seconds	14,400 seconds	Unlimited	

Container size (elements)		Rounds		Execution time (seconds)				Digest (SHA-256)
				std::deque	std::list	std::vector	EntangledList	
2 ¹⁰	1,024	—	0	0.000000000	0.000000000	0.000000000	0.000000000	ea12c38bd0cbe1ca608bb25c49c6a84289c9d74c57bf732dc1aceee464e24141
		2 ⁰	1	0.000001153	0.000001046	0.000000815	0.000001331	8dc8f4cb9a84cf7dc8297e31bf17d61faf39a2ccd94ae6679e3f8953d929c2d1
		2 ¹	2	0.000001730	0.000001674	0.000001185	0.000001331	6dfbb967db913287a554938eb779c924e77d21af3d706e482e99e53eb4f2df45
		2 ²	4	0.000002709	0.000003203	0.000001607	0.000002152	f6c6892ccc8399a76fceb740c1b921b9c0154bfebbe218b141d18b348790a976
		2 ³	8	0.000004192	0.000006093	0.000002309	0.000003367	f2c4dd3691cab1a89118014e27838cb8093a5f793f2118b737c3ccdf5a5e8220
		2 ⁴	16	0.000006487	0.000011751	0.000003271	0.000005576	63a43c645f123eb6e239eddb4e3cd39eb1888c3d1074071e0a03a8125ebfc505
		2 ⁵	32	0.000010766	0.000022107	0.000005100	0.000009690	bc55cae9047c8524d637f4b22f5f7c1c88990227e26fa494ec073694d10469c0
		2 ⁶	64	0.000018168	0.000040778	0.000008563	0.000017480	414a19c6cad7d2c4c5b1565bc0a8cecc8687d3e253be19990f94a659f6dc4bb8
		2 ⁷	128	0.000032094	0.000076630	0.000015554	0.000032516	abc77fd1e27feef8e4f6357c300b9b8b75d80b32c518647301eca15939654d18
		2 ⁸	256	0.000059615	0.000148940	0.000028457	0.000062148	75f1da54de456fe70248c65cd21cb910b4efdded57372480c7f59d4e698c648a
		2 ⁹	512	0.000114798	0.000294192	0.000055907	0.000123871	ac2f406fa0750e54646fd8cd7959b5835d330789f28b2bb59d3f52c7b1807e2c
		2 ¹⁰	1,024	0.000222876	0.000586008	0.000107265	0.000240891	fdd444fc629016dc4ab5661fb8f2af4d9b349294061436ff4ba9d4e3f0a5dc8a
		2 ¹¹	2,048	0.000433480	0.001163657	0.000211780	0.000474243	f51edf59f4cb6ef6c7b4b49d62d1215e445e4ef268327e1472c2e806b4cfc535f
		2 ¹²	4,096	0.000857049	0.002319905	0.000417628	0.000935043	f59286dff5dc914fbc2b349df8a916b4b6aa3243100dba522714c5ff417a7502
		2 ¹³	8,192	0.001704522	0.004627833	0.000831309	0.001857304	db98fe179c9f71e7a93d8681d9be7b4a547429b42941051f18e40fa3a9d73fdd
		2 ¹⁴	16,384	0.003404239	0.009256315	0.001656604	0.003684827	f079064d06a3b77d69dd16c381e12854e390c12921ee0fe4fdfa5b9bf6ce0890
		2 ¹⁵	32,768	0.006800206	0.018491893	0.003300727	0.007327530	5db482b3ce99a5644b560abc514ef632f621541785bcfafdb706cebfff1280929
		2 ¹⁶	65,536	0.013585762	0.036951983	0.006601730	0.014660189	f1de7261dd9e5dd834b64209c57bbe1a66a032e9dbf3c086cb585e525fa455e9
		2 ¹⁷	131,072	0.027192724	0.073846650	0.013187332	0.029245970	4b00529dd89b41fc73a7f6dd28c504fb7a4586facc70a01f192c9e10f378638e
		2 ¹⁸	262,144	0.054421481	0.148124729	0.026420105	0.058343765	a36dee81efd3e0b8b007c5b534b4fc6c1194f9f98cab7affd21cb45693b7d24
		2 ¹⁹	524,288	0.108888722	0.295985751	0.052816790	0.116677260	1dd75a0da6a9cb2f9734bd71af40d7b3dcae3ec515ec0a6aa0c214a3d316109b
		2 ²⁰	1,048,576	0.217904227	0.591528997	0.105639432	0.233368373	2cc5b3f6b8adb4d0cb2a789802a90010ebe85a7fae879c2f89fe08ba904f80de
		2 ²¹	2,097,152	0.436108623	1.182905397	0.211283695	0.466415891	0d62a7d08ffab36c6541bac3cb2b5fb04335aa36f7999cad2f9a7bb96f6907f7
		2 ²²	4,194,304	0.871192622	2.364771537	0.422066127	0.932255976	af6bee0225f88f724db7b37076ca71346fcc7c70e04e06946d092e482839cd70
		2 ²³	8,388,608	1.741169410	4.729188636	0.843925575	1.864441181	a48f18e8ffa992bafed97a73cc187ea294aad560109b595864c3f414854d3a6b
		2 ²⁴	16,777,216	3.481138687	9.459107744	1.687503842	3.727835392	89fec5c3a07bab8e6531d22ddc57d8ffa2bd3973dcc239b5a12a715b5970fac
		2 ²⁵	33,554,432	6.962749236	18.917860686	3.374138973	7.455444047	be98bfa81b6bb223a8cee64e3b98548d4971b9c844e559da9b33f351c44fedd2
		2 ²⁶	67,108,864	13.922789352	37.835245002	6.747671528	14.912094543	77dca1f7d76c9930cf9b4fc357aab6919aff243a9ff3e1d93c250faaab77440
		2 ²⁷	134,217,728	27.842783100	75.667460531	13.495114407	29.823822215	d1d2a3969a5f0eae4cd0546ea832e34f71bc23d3c44f8a05f2d6f78b4dc8b3
		2 ²⁸	268,435,456	55.670130548	151.332871450	26.979849001	59.684907080	a21a548ab8315e0e782b2b9cb3bbc80028f113931eaeaae1827b1045b7957ef5
		2 ²⁹	536,870,912	111.325192546	302.660635448	53.947020379	119.418819000	4287d3a793096e2b291ed60dab055c13445202171139475b8a5191bcd384c3f8
		2 ³⁰	1,073,741,824	222.637839203	605.304373337	107.900019072	238.897718593	6533a074c102b9dbc7ca11f254d429a4f54c4f92936cfed4eeba93744108dce5
Time limit				14,400 seconds	21,600 seconds	14,400 seconds	Unlimited	

Container size (elements)		Rounds		Execution time (seconds)				Digest (SHA-256)
				std::deque	std::list	std::vector	EntangledList	
2 ¹¹	2,048	—	0	0.000000000	0.000000000	0.000000000	0.000000000	fecaf78fea24c5141bb2d3ea5a3b67d23d947fb18e07138d3e2bfdbc7dc3172a
		2 ⁰	1	0.000002805	0.000003647	0.000002678	0.000003386	065ae52395ee22caf9e38d5c15df73e2996556bd74474341527e95c95111a825
		2 ¹	2	0.000003621	0.000004926	0.000003035	0.000004020	6feee6e52195dd843b90dba4dc3247685778a9b10d306d3103c607285f74e13b
		2 ²	4	0.000004810	0.000007994	0.000003571	0.000004877	dfbc8fe02a245a087908f3e2682d74f2f119ef9b7eaf5f7ade0cad234d7c080f
		2 ³	8	0.000006435	0.000012323	0.000004361	0.000006347	9b65ba27990ae03f44128a202789c00a62a985e6bd2489bffd70125448e6979d
		2 ⁴	16	0.000009578	0.000021717	0.000005960	0.000008694	319203bd4d05a62b4bd80c3c5e88994e955b0c461de50251aa374cd686688b6b
		2 ⁵	32	0.000014317	0.000035573	0.000008625	0.000013062	6dff4305107d9577ec813486d8ead2cc657b9766cfd967fae1a75f80c051d376
		2 ⁶	64	0.000025081	0.000069816	0.000013859	0.000021273	ce1b4cd3f48e2e246c0cfa47f4dfbc120690d81e6e4928533c69ea5af5edebeef
		2 ⁷	128	0.000048014	0.000145344	0.000024658	0.000037357	67b0ee8895ec85b341d53ec118afb5b3a934987121f10ff2bb35e681b2f9a56b
		2 ⁸	256	0.000092166	0.000297827	0.000046240	0.000070191	d1f1c94d632d49d38111752c60f6e26836ee0de0534dc8e156f0923f538a5ef0
		2 ⁹	512	0.000180816	0.000623698	0.000089172	0.000134366	80545859741fcd57436e8507c4008f41f3683dee01816ad58b5efe92d10eb522
		2 ¹⁰	1,024	0.000356495	0.001312265	0.000173158	0.000264133	dd0b7e08120029d6e42d829adb1491828ba6dafaf7116bea47913919f4fb675
		2 ¹¹	2,048	0.000710928	0.002831300	0.000341224	0.000519702	1ae5654b21ec00bfc5388b55de3457b6ddfafad51b438dd51ef2aa5e2a3f414
		2 ¹²	4,096	0.001414520	0.006106489	0.000675444	0.001027922	581c91b41f41f842d431c5edf8c8b56c80c82fd6f26dc4be152bf5fa42cc57df
		2 ¹³	8,192	0.002794182	0.012553610	0.001345214	0.002046630	5f4e9a82fa95cea511b0c614d77e99504335e1738ee387aab0e6bcbe27680f27
		2 ¹⁴	16,384	0.005588908	0.025618693	0.002683419	0.004073938	211537450a750452cde6e42b79df7b94298a32cdaa97e11ee999cc5b2770fe0d
		2 ¹⁵	32,768	0.011166238	0.051676225	0.005348945	0.008115817	a30ab358f8bac8d5f5b7212c40086a4d8e28e5c5c60d7af40c20c2400b6fe587
		2 ¹⁶	65,536	0.022216137	0.103592429	0.010687374	0.016212472	598c42a8f36622e7e76401bbbbc752ed82840012214768a125daa76228948e6c
		2 ¹⁷	131,072	0.044493784	0.208361039	0.021380551	0.032344506	1f32f670859f5da9caf45675bc7a0c40ba724ca507b89f9141d574425cf85fd1
		2 ¹⁸	262,144	0.089153854	0.416902987	0.042668138	0.064668811	2d79c8f89b2271358772b66a819ea7952a47e3fa4aac70dbc4443caf6c2d98e8
		2 ¹⁹	524,288	0.178495646	0.833854776	0.085398818	0.129148752	a657a3f62d10eee24803ec30a7e8a33c7bfc0e32624f4ef113e5b366b9b4d09e
		2 ²⁰	1,048,576	0.356681029	1.666753528	0.170767810	0.257970358	6da58dbaf97523779be4102edda1e9fbdb8a53c966e9e83cee15f2ea26351d48
		2 ²¹	2,097,152	0.712735149	3.333349691	0.341420635	0.515727764	b92179dbc3462f95e07ca24ef4ba7f89c925eb576161bfa8b03792f28789f180
		2 ²²	4,194,304	1.423673464	6.664532847	0.682406667	1.031362605	8ca243d552c6d5c2c5588c476f43c6478474b9d0a2d85c111ad23dfb5f612551
		2 ²³	8,388,608	2.847819153	13.330426564	1.364559938	2.062036603	ac36f3f2c1ca7307f17078f59911a07f73a59169f1e7da7b31a2e4e29cf9af64
		2 ²⁴	16,777,216	5.699218399	26.665429721	2.728689393	4.123280299	61e1f99ddbc42d69eeea4cf9ec0b033850278c5d5f8b911f2edb034cd7be514c
		2 ²⁵	33,554,432	11.398202144	53.332201890	5.457725994	8.247133115	111e75bd5aa391304b5b603c48c6bfd5524f9d36fd1be87766bbb29e22e32b2d6
		2 ²⁶	67,108,864	22.795505031	106.672519323	10.914354555	16.493685092	821512b417a5f003da2588c79b9ec2314851c82ad695dfc66b1de77a41d94dbd
		2 ²⁷	134,217,728	45.592668581	213.351748548	21.827588312	32.984417749	1580fb87be677b5aff51f965de507a433f4afa94f1b7836b92cbde563ae0965d
		2 ²⁸	268,435,456	91.203241215	426.687407406	43.654447659	65.968039550	2a0bb3ee34e9ece827ee8cc4aa9b5367df01a0d17b8f709e97570e32da4ab443
		2 ²⁹	536,870,912	182.384862959	853.375425092	87.304189468	131.941522948	cf256061677926c87b311ec0be17127d9cb5b7ba0e8a0047dc64e9e90e21e175
		2 ³⁰	1,073,741,824	364.816900565	1,706.726979861	174.617754015	263.878356575	f316a8735a1f8f9e8e06a41586e970df15447461a7f9f6f1e2bdf082c6c8fd0e
Time limit		14,400 seconds		21,600 seconds	14,400 seconds	Unlimited		

Container size (elements)		Rounds		Execution time (seconds)				Digest (SHA-256)
				std::deque	std::list	std::vector	EntangledList	
2 ¹²	4,096	—	0	0.000000000	0.000000000	0.000000000	0.000000000	5f2e7a729cc54b6dc5ddb5cb5c1f821ee409b2847a4b83dda647e59ce73832de
		2 ⁰	1	0.000002828	0.000004779	0.000002261	0.000003348	2e024c8bfb3d2ccaff4cb1080b38c9197ec9d5edd196e5f7d2755bd4f326fe46
		2 ¹	2	0.000003947	0.000007321	0.000002926	0.000003991	29608e85773e9f6dbed7f7d88f8f73e51f73151344e52384184e80726105510
		2 ²	4	0.000005232	0.000010874	0.000003957	0.000004877	30d6315460f766a90c1d7973cea8ae579d2611002e6579b4bffa561c4bd58c
		2 ³	8	0.000009199	0.000024717	0.000006395	0.000006363	76742d56da9f559951d8bbe8910abed37f34b6582e82928fe29f02a26823f242
		2 ⁴	16	0.000015689	0.000046774	0.000008879	0.000008910	f6044f28e322abb520ee80a4ebba2499dda2b5dcd1a9094f61ae1518754473c5
		2 ⁵	32	0.000026666	0.000086076	0.000013060	0.000013553	a44f381f87570bb652aad630c89899962e9255c3cfbfd82b72bc068e3d31ea42
		2 ⁶	64	0.000044881	0.000150460	0.000022568	0.000022724	53a9f21f0c41aff7a63548ee786eb6e6e2cc7099719ccbde6dbedfaba1f5226d
		2 ⁷	128	0.000083109	0.000293690	0.000040851	0.000040084	885b911b1dc278ef3eb20418c598f8506cdf327c3765539b824c328dfde90cb4
		2 ⁸	256	0.000162872	0.000609245	0.000080528	0.000074133	8d69e5efe4deb49f76e3de75b8e4033a50928890f3f70191a2382b277c7ec835
		2 ⁹	512	0.000316623	0.001277265	0.000156390	0.000142683	48fad2a39efeed7c6066f66b97c463255b45cf36f7c66b4d0f57317b4f248aaf
		2 ¹⁰	1,024	0.000635347	0.002878554	0.000306782	0.000285086	91e42252ce4e34ffb9cb0b8bf91d593a499985790bd0707a02b06ea50285790
		2 ¹¹	2,048	0.001251168	0.006574001	0.000599898	0.000564293	324c51e77698ef28251b1ac546ac3988da07e1b0683da84250ebff916ff18e97
		2 ¹²	4,096	0.002493637	0.015249330	0.001194313	0.001126551	210e003c75939f5430bffa292605cef2a91ec3af2003e464ff6365f7863582c3
		2 ¹³	8,192	0.004963531	0.033874989	0.002391129	0.002245824	1410575f0896a5b8e9e4b3e2dfc43a43c5875f5a6a1de6a8b027d169bd4b42ca
		2 ¹⁴	16,384	0.009938984	0.072315451	0.004757619	0.004473345	106c1a79927ddea7cc5838de79aff2bfd8667433794982ab617a4250b62aa780
		2 ¹⁵	32,768	0.019918451	0.150755810	0.009503177	0.008905753	f3046f4ccbbdb1aef74445c8c4dfdb96d15a59f6488d01db22fcd28b0b49408a
		2 ¹⁶	65,536	0.039810924	0.304866494	0.018958026	0.017780275	f134b082a10619d66f469a7972765bef051d216f654781cfb0debe930e5b8ffa
		2 ¹⁷	131,072	0.079709155	0.613558372	0.037940309	0.035489976	7a7ce2f9f4c8f387e6fd30b920e25128c78182c9376083cd2eba743028eca981
		2 ¹⁸	262,144	0.159924737	1.228687704	0.075857562	0.070952743	903fec0d0065c6c0ede36a87fbf1f31905b4f7588d0c860b79c336005403fea2
		2 ¹⁹	524,288	0.319482261	2.461504416	0.152073371	0.141780486	4e5ed75b6bc1b52bf1591d215e4cd86d4aa846b0276bcb4aa8eb5b9a67c80eb4
		2 ²⁰	1,048,576	0.636797144	4.926755677	0.303995778	0.283589797	ecf0c01d0fc8842dbd453995d78bd162acdffb8186aef39306f82b2849134ef28
		2 ²¹	2,097,152	1.268267399	9.861001104	0.607861476	0.566929672	c0c2bdb06ad08672400a8a988e74fb1c8cf8611e6611a6c95cda2d61d4b3537d
		2 ²²	4,194,304	2.537848630	19.719578418	1.216004095	1.133263552	b7f7ac6b3f968aef9b0fbf52512c0dca7775a83259ef3652209c95deae01a7da
		2 ²³	8,388,608	5.079976351	39.433623656	2.432050848	2.265987892	30e39809b6109848fc9c0fc5f998d8e11f7e9c8e51913c15a7dcd632e64031ec
		2 ²⁴	16,777,216	10.180403511	78.862405342	4.865362385	4.532566953	c9831dde04f08ec1c610706f0694c07d83b32a756540c55f4d6f633bcd9f126
		2 ²⁵	33,554,432	20.331134400	157.714879444	9.731598879	9.066028851	266fb93d9bbe606f0c2e34a2ae106aef76be63ac05cf2ece992a331b85711072
		2 ²⁶	67,108,864	40.722792420	315.411317853	19.461903132	18.130338884	cae24f810cff89c2e798865293b95cf03cbf3a2bfd9ab200e2fe929faea09347
		2 ²⁷	134,217,728	81.494832290	630.803103820	38.921335601	36.262064140	0353adbf3e2ff8d32b2d47a41ce755dc11947576e5d7a7eabdbfa7fa1e5de140
		2 ²⁸	268,435,456	162.873103787	1,261.653125950	77.815613072	72.521299583	2690af0c63adb9d885d200c137e3098b229b7fb1add089d4230048d85854d49e
		2 ²⁹	536,870,912	325.858578265	2,523.280060228	155.615415876	145.052407973	9a4fd69924bc945d2f0639e28cf6ce3d2087daa19ea28dc1d82fa73f7a73f8b9
		2 ³⁰	1,073,741,824	651.758110133	5,046.455219646	311.135214022	290.153278626	d479039800be5894c088da21f1daf27155e002866e98810cfd7416e510fb53a
Time limit				14,400 seconds	21,600 seconds	14,400 seconds	Unlimited	

Container size (elements)		Rounds		Execution time (seconds)				Digest (SHA-256)
				std::deque	std::list	std::vector	EntangledList	
2 ¹³	8,192	—	0	0.000000000	0.000000000	0.000000000	0.000000000	4d695281d2e484741637b7aacb4b95ea22283e4bd03427f22e1e76dcc605bb4d
		2 ⁰	1	0.000002876	0.000003929	0.000002440	0.000002697	3c9b8b6d808ed2ba4fbbd6448aba9c87c7924bad51391e11fe5d246158823cdf
		2 ¹	2	0.000004518	0.000008608	0.000004075	0.000003633	e0276effdc2b7e282047bdb70bd559a3e11708dac87b3110f53e4a6aad1aa527
		2 ²	4	0.000007314	0.000017063	0.000006093	0.000004856	e5d702fe83e9273483a42e6759f8f6b1d9e35c5132e6610b397841f192affd97
		2 ³	8	0.000013079	0.000037683	0.000009145	0.000006525	f597e33cfecca7ef665f5e4142bb3e31e0b9bbecdffd2db2767741af0d9d2d6ab
		2 ⁴	16	0.000022500	0.000071460	0.000012579	0.000009353	261a9072fa178c290c60a6a06304bac22bc4b7f930826f967a611c6304adb47
		2 ⁵	32	0.000044894	0.000153440	0.000020618	0.000014750	d3225444f9cd2d5b42ff477207af44ee3f029663d7db520f43343265fcf912ba
		2 ⁶	64	0.000079936	0.000281509	0.000041936	0.000024555	9f520d431ea1dd8ef45feb4951b56f528a391058a5da54745aa19f7b95a513c4
		2 ⁷	128	0.000170486	0.000622119	0.000078641	0.000044789	de3cab366c74d885de61311500fcea5a5c1e7c047422409cab28ca73e01d561
		2 ⁸	256	0.000322019	0.001215517	0.000151960	0.000082638	21dcbbee865cd8cfffcc124da4115b7aec325fe04d9e620721527d20763ccd96c
		2 ⁹	512	0.000636392	0.002527269	0.000297930	0.000158483	b231ad1a4ddf8840392f8cf5becfbfba6b9b36119ed69ce781f0642b30e2257c
		2 ¹⁰	1,024	0.001255538	0.005395325	0.000605452	0.000312118	220b77cd831faca1f7128b19d0a63f8b4d71bc528969418ee77946bc0671eac4
		2 ¹¹	2,048	0.002495099	0.012203666	0.001196982	0.000619319	6631d446a0e316d4a367fe9b6cf65e03461bc1f87327c92ba854cb8a9427bb51
		2 ¹²	4,096	0.004931557	0.028688276	0.002390984	0.001236257	ca38e5e54817b434b4059c38f2c13469f726d6e250d0357838b533f346a27006
		2 ¹³	8,192	0.009945273	0.068976889	0.004798058	0.002476415	b8aba2bc3077dd1816cd07e0f6ddf2a87bb388b6a6b22fbd47c2fabd3f98f58c
		2 ¹⁴	16,384	0.019815882	0.156446510	0.009567235	0.004986666	25b34e9727ecc32f1484688629e582e8d46171707af981417552dc50914f878c
		2 ¹⁵	32,768	0.039630610	0.331881000	0.019161759	0.010028562	9e0e364ac537cd9a4c421775ce6085ecb0a07a9bdbcb9adc6711afd5db1b1962
		2 ¹⁶	65,536	0.079130355	0.681577067	0.038314453	0.020086849	265e38592b251789ed916ee85b54e6560544da4dfc080276a3f18c04bf8fed97
		2 ¹⁷	131,072	0.158781127	1.384772722	0.076700754	0.040185014	ea4d9a6c88923699153967439fd918199abfabdf0da1ee53196053297360d8b9
		2 ¹⁸	262,144	0.316964037	2.785147397	0.153711454	0.080324464	445990a30cb957aad0e99b6cde1625e521360e29d74ecce3895a60a28f0e93db
		2 ¹⁹	524,288	0.633401773	5.587418162	0.307301928	0.160447947	3520e85f05e27649b9f9b33b93b05d50cf08fbd3c6a8487b4d14689e1845baed
		2 ²⁰	1,048,576	1.268198106	11.198376466	0.613809064	0.320625622	bc4fc6050bf1a909f9179f84ebcf4da2076b41446df409929ffe7f183efd1eddf
		2 ²¹	2,097,152	2.534879328	22.410056445	1.227216856	0.640669193	7146d5230da3d61877d8309598a10a3e8914ba426d5394d7a8c7f26cce218b3b
		2 ²²	4,194,304	5.070622961	44.826620535	2.454266554	1.281387998	2b3f319aa708fd0c10d59905f29518e6076e9792eb01fb151a211f9ef2682601
		2 ²³	8,388,608	10.141786670	89.680830865	4.908581473	2.562187630	208e8a36c521f454819a6feb56388ca8c8050197880f7f1a58e0d02f7ab48407
		2 ²⁴	16,777,216	20.350954015	179.367339578	9.817036843	5.123868498	90dee5a2f59312cbb6d7bc11e2e109cf6629889f3255db6b4b65ffbb00bccdd17
		2 ²⁵	33,554,432	40.864876050	358.761114851	19.633639210	10.250530240	b8cb1fa7fe708b9e99a954780a0c61eb3b318ef32c4ad2360e3188899cd4c4a3
		2 ²⁶	67,108,864	81.904607164	717.525266649	39.266662160	20.504672364	b2cfde249491ecf24ab1b363526db046ebd00af4cf0c6e60697673e5461bd904
		2 ²⁷	134,217,728	164.120312546	1,435.138076841	78.530789469	41.008774970	da3ec81c8552d0d9d1923aa974cdc2d171bed05f706c87e3e87765c191153138
		2 ²⁸	268,435,456	328.577161062	2,870.100862179	157.058827317	82.011826714	8d1ad018097db79b4afdb96d605bdc81143481e6b7a3890af5fba198714664cf
		2 ²⁹	536,870,912	657.111732860	5,740.189194010	314.102939399	164.008432323	cb28ca42886922b64888ea08bbc390e72fd2e040ca3a5b7669e1f619161c7505
		2 ³⁰	1,073,741,824	1,314.615835659	11,480.099978964	628.207783151	328.019579253	0bb392512514405071d6a359887d8ee2457c8b706945a0d0db5504ac1866c3f9
Time limit				14,400 seconds	21,600 seconds	14,400 seconds	Unlimited	

Container size (elements)		Rounds		Execution time (seconds)				Digest (SHA-256)
				std::deque	std::list	std::vector	EntangledList	
2 ¹⁴	16,384	—	0	0.000000000	0.000000000	0.000000000	0.000000000	b1195f9c9f6b1818420ae4c9e4c9d73b97bf26dae0a4230b240c6ab0dc9e8698
		2 ⁰	1	0.000007672	0.000012881	0.000005090	0.000002947	083fb115aa3a144531511f3e49322c64a7bf44191e2b3b1bfb5b8bd757dfbdf5
		2 ¹	2	0.000010844	0.000023701	0.000007261	0.000003843	9e87d527eaf76d8295486b6adbdd169c2015d11546ae38099ee580ae7abc4bc5
		2 ²	4	0.000014595	0.000035320	0.000013119	0.000005136	b21a4d4e70e7fb3faa8a3da330dc6e984776879bb3b9a21fb4230d6007db880f
		2 ³	8	0.000023820	0.000066986	0.000018374	0.000007365	9989ab5b605a534c9fb6a565a74380357dc266ea29a564f167e28833b97bd371
		2 ⁴	16	0.000039639	0.000122946	0.000033065	0.000010999	ec3d4210a89302baedbee29d0ce09990c27195f81e1a56b0fb7cf30fcea90388
		2 ⁵	32	0.000080940	0.000269040	0.000056548	0.000017612	7d5f3ccd95404a9e3caf8beb2b52386475cd081dc245f9e3d4f29c8ef1eeddad
		2 ⁶	64	0.000145923	0.000506088	0.000104145	0.000029560	767396a938c1b6c0b062705eb7e6a6f213ce0114f47982601859043ecd1f8a6a
		2 ⁷	128	0.000301579	0.001078770	0.000186194	0.000052281	261c0abc2f8f1a8a8990ccf4382d8f080cb827368e4b282fd902f604069f8514
		2 ⁸	256	0.000639603	0.002340593	0.000368480	0.000095971	86b16805592039c479b365da52ac81fa3d66719c30ee82753b756e866d6ead4a
		2 ⁹	512	0.001279138	0.004879266	0.000710204	0.000181239	f19b49d47762ff2d11faf5ecf4a1f617d9b023fa2b3fa5f024c36de37aa223a4
		2 ¹⁰	1,024	0.002571961	0.010428586	0.001405356	0.000353647	e92f3fc2059f694284e10200ffd59050b5a5184420beef233f37f609c53b9ba0
		2 ¹¹	2,048	0.005090304	0.022814036	0.002760511	0.000697697	0061d0df9ba526c9c2242253672ef451e3e1dd47d86fe0872b88eb87859f96b0
		2 ¹²	4,096	0.010139634	0.053877036	0.005493639	0.001397594	8976e7ef896721e8a6daac5fa18b0eac1cc32f05599c4040b999fe91968441ad
		2 ¹³	8,192	0.020217679	0.138699098	0.010872670	0.002814229	f5eabee96bc2d3ed22ead7b485d602f64120a239e58f216fb81951f5ba6dab90
		2 ¹⁴	16,384	0.040421088	0.360844944	0.021652938	0.005694820	682aa107c09b120123668cd082fc4a94dfc53265971c9b9d86e0d7ba57ca085a
		2 ¹⁵	32,768	0.080878716	0.906190508	0.043302656	0.011584363	2989f6969a9dfb449d468f9e75301e97bd6d1cec03988cd5b874c859c7063403
		2 ¹⁶	65,536	0.162485330	2.090203595	0.086650657	0.023535655	e4d830a6299c98a3412fd15e34e4a7911064c93f1683407cda22b52e0699f23c
		2 ¹⁷	131,072	0.323894552	4.472791461	0.173633741	0.047369724	a04e3ed6874620d89cd75a84b3a1c1b70cc1e01b9eff3dc3e5fa7df9a2feb85d
		2 ¹⁸	262,144	0.647376641	9.263218707	0.346531599	0.095067104	30d9b9320ff8e3498342df15672a1e19e89f5ffe53d995bc22f8fbf528df9601
		2 ¹⁹	524,288	1.294719563	18.875521531	0.692574343	0.190439316	7428bff384e31713cae0404f7bd2ad203b981fb4007c2e5b945b4c2e94023e74
		2 ²⁰	1,048,576	2.587947291	38.023857433	1.384654287	0.380915894	d15a83cc86d1bbfe86aac54951ca1310e8194ee13962dca761d2714399f0bb8f
		2 ²¹	2,097,152	5.176836525	76.383506694	2.769426962	0.761734915	95a22f6d6001b72a576d65ece7a737175d17238f61983de32116ca0d44463053
		2 ²²	4,194,304	10.348932023	153.047879403	5.539557471	1.523154970	81c66e08a6db86dae6b98b2fb85f4e75a18e20095b20159ac2dae16daf91a63a
		2 ²³	8,388,608	20.701778733	306.395776226	11.078445048	3.045114798	19e37b405b9bdfd4fe6151eb60b918e3bc19a4bb3abbf27f16d93ea32e4a9bf2
		2 ²⁴	16,777,216	41.429947257	613.167782072	22.160325352	6.090449358	7abe00aee4cb60994479e4a336be890d0af4570a4931b8a58f186bbb340223c8
		2 ²⁵	33,554,432	82.858672599	1,226.583692171	44.320286111	12.182429296	c8755cd407348f5ffbf7877760c7161f97a8e4331ce439b4ab96544808314578b
		2 ²⁶	67,108,864	165.756740958	2,453.480146470	88.643002698	24.366012274	3081455e70cb3bd2110716b6327284798cc0d4127f6d46532e9b816aa4e50d80
		2 ²⁷	134,217,728	331.147644689	4,906.994338502	177.274426887	48.738589878	bc01263ad3608fa787ca4ba51ce473c09ce921f4d47a3e9df44d7a5a9253eaa0
		2 ²⁸	268,435,456	662.093061488	9,813.675387024	354.557202851	97.480254404	2eebebfbc08d0b0fc33e799d178f49d7f5f51fafe47702ac8fa2a211c3ad6c7f1
		2 ²⁹	536,870,912	1,324.460487923	19,626.997590188	709.112082362	194.998771547	9ee006abd6b1a84c79600a41238928e2c4cd9387924c2bc60d87c39a30d537bd
		2 ³⁰	1,073,741,824	2,649.048745666	39,254.182610049	1,418.211384432	389.997676924	7fcfde747d4181c4f3b611b0e7ed03b952bc9fe5db956c8e3a1c28e9f9e06680
Time limit				14,400 seconds	21,600 seconds	14,400 seconds	Unlimited	

Container size (elements)		Rounds		Execution time (seconds)				Digest (SHA-256)
				std::deque	std::list	std::vector	EntangledList	
2 ¹⁵	32,768	—	0	0.000000000	0.000000000	0.000000000	0.000000000	f4c8a806e851a57608495961a49cecfdb04264ed645d6031c0de8e3c3e4c6100
		2 ⁰	1	0.000015388	0.000035557	0.000006742	0.000002824	45f001b3c6805417f3c87647628af853a7e06bde39e0c8d117e5b294a0da987e
		2 ¹	2	0.000029715	0.000070293	0.000011416	0.000003759	b22a6ae7d2100fc9b8f785cb4ddf188d1a9254051dac2fe12db74d23044d18d7
		2 ²	4	0.000049874	0.000117389	0.000021468	0.000005229	59ce5dfca94a21a35b42f86798a81369f66f167c360d00ed70316bab23a2ad7c
		2 ³	8	0.000077938	0.000192629	0.000041953	0.000007556	0c9b9b0c4eb7a2c16f7a25078d7aa77e444e2c1a2ec72a1bc279f554fb3270a3
		2 ⁴	16	0.000134075	0.000339875	0.000069304	0.000011501	6324696000ac670b4a428689b71eb629c0ea49aac458ea4cdd3e001d900246b4
		2 ⁵	32	0.000232867	0.000673804	0.000118634	0.000018839	0c9891e1494490a28c4c0df4f7c69242587803d6a2fa28118dd2bfa403a6e6c2
		2 ⁶	64	0.000388468	0.001215528	0.000201809	0.000032971	acbe5f6f1fea3bd0730e3f72b28fa2d2a1cf4b56399e2c5ac85e14c8dd587cfa
		2 ⁷	128	0.000733979	0.002463819	0.000371759	0.000058815	9c156751369eee02b5fe800a5408bc63c754c58701cced14952b11ce3e4c4b6c
		2 ⁸	256	0.001349234	0.004767209	0.000735208	0.000109097	9d484125e9ce77970c8d97654dae3df494c6d7015f4de6fe0678916ef3038efe
		2 ⁹	512	0.002685499	0.010019869	0.001477129	0.000206405	974d6d9f2837bbb50f2bc78c877f97f0f067765a9969d52e6746aaf7b3ec37c4
		2 ¹⁰	1,024	0.005241590	0.020694617	0.002895925	0.000399889	56ef0bbd0e64a01100328cfdbf83856847e034ac5390f987830ea76a8b6917df
		2 ¹¹	2,048	0.010323845	0.044582499	0.005748514	0.000782936	0aed21a1ac593efea46f2c6dfb405d41d98a84e52aa8d5f367269cc28b02a18d
		2 ¹²	4,096	0.020566547	0.104138346	0.011439371	0.001565070	28ccf07ef8da0454236e103a2302690d4e115b1f1be2fac56ce2f2241fe977f7
		2 ¹³	8,192	0.041041029	0.265911888	0.022858951	0.003154807	bb7ff75f8a8379344caf50d41ab4e629e43438f888681d9c574afd2b7d9d4f46
		2 ¹⁴	16,384	0.082142626	0.746274326	0.045748271	0.006387456	74848d044567250172ab12723f70f6089bd5b7e3a3882e87623725eba6c10158
		2 ¹⁵	32,768	0.165037567	2.164796532	0.091904971	0.013036200	5c3a9e81f4225ebdad72c416b62c7b0b6a316cb71de753d949042d7b644c5fd1
		2 ¹⁶	65,536	0.328793106	6.048190822	0.183373739	0.026718348	ce410b628c80d6590bda283ced948bc9d1e25edd8ace87822f1064e2c2feb093
		2 ¹⁷	131,072	0.655817573	14.930506240	0.365574175	0.054485271	af6fae90bcc18924c0d038c42fe1df5d7e8a1b2906082f944c61a1fc4154e268
		2 ¹⁸	262,144	1.310159071	32.928898835	0.730447799	0.110167109	aa98d6123b117d0190d50d36e986fd8a5f6910974ec76924925347ec1f15801
		2 ¹⁹	524,288	2.620284685	68.978445953	1.459846229	0.221475013	9f514763fa7622aee095ddcca3ce1d8fbace528cf4b7e2f33559717603d41eec
		2 ²⁰	1,048,576	5.240135018	141.181339914	2.915642704	0.443836621	45f35841613e4d0af57d2ccbce8105505bb2ab7c3ae52cc6029806c2fa9cfe21
		2 ²¹	2,097,152	10.481948463	285.561642855	5.831332007	0.888235105	bac01d12330c8bb8a494b0167b54de5a70a7fcca6db36c1e5970b60a88a40da4
		2 ²²	4,194,304	20.939524006	574.336980887	11.666072983	1.776708848	73214513f9402c8146a92e197816ae185b2b92236123ffaf1d2d849383e3e3ec
		2 ²³	8,388,608	41.854008887	1,151.766037892	23.334043175	3.553546242	db4b0710779928391f0cb0819a3c6797a27ea5182f1ca44a587adee5620867c2
		2 ²⁴	16,777,216	83.724726508	2,307.026717260	46.666889650	7.106433629	01bf27a6af7f4d0d55a1d0dadca0b252014e2aba2c6a7737bd8dd93549508004
		2 ²⁵	33,554,432	167.081993137	4,616.748601854	93.328773466	14.211652359	48a9d538138c7004b1de6a16621cfdd174f4c80333fab5c79442fe8312d57882
		2 ²⁶	67,108,864	333.471675794	9,237.085726044	186.670578219	28.417390099	5daec5fa550dfa8c51173e21b37912dea1946f12fe3775ea01a42a77d03b0d31
		2 ²⁷	134,217,728	666.399000900	18,477.061686039	373.318066553	56.835702101	3a0e4130436177e6fe0e3a0d43b95b89eef20e7755adea15275b6eb6ae1f6af1
		2 ²⁸	268,435,456	1,332.617123271	36,958.370783183	746.617989263	113.683318481	4417446d8d30cd275e253f82145443a924fc353c4acbd948ef4915a5da7519ed
		2 ²⁹	536,870,912	2,667.421493328	73,916.741566366	1,493.223875982	227.369564783	602e07f0e42c9640b92040a7bb2447709fb01327ccd929e51b4be8b24cc0baeb
		2 ³⁰	1,073,741,824	5,349.999136395	147,833.483132732	2,986.332686438	454.712788277	36636ae0305a3ad2a45d430793a3ff6fbc6e71c10d451d5d54418215b7bee2a5
Time limit				14,400 seconds	21,600 seconds	14,400 seconds	Unlimited	

Extrapolated (doubling the previous one)

Container size (elements)		Rounds		Execution time (seconds)				Digest (SHA-256)
				std::deque	std::list	std::vector	EntangledList	
2 ¹⁶	65,536	—	0	0.000000000	0.000000000	0.000000000	0.000000000	b871c913b0b5056ac257e196cc9539be1ccb81d5ecd47c073e03902d8e1f179
		2 ⁰	1	0.000008778	0.000016797	0.000009555	0.000002940	399dd59af1a8a321d952e8d5154f30fec9dced11370451320ecad70a5e50d64a
		2 ¹	2	0.000029496	0.000074018	0.000016018	0.000003786	a7aa1c09a4bb78f444e3fd75f2d0402f5dee7af55049273e297996757bef8d11
		2 ²	4	0.000063968	0.000202820	0.000030266	0.000005291	83fe445972632e984dbfc37aac55775f7f017c5df68bbe682138bc1eff0ed675
		2 ³	8	0.000111996	0.000348427	0.000069708	0.000007776	43136f922a6bd99f4818ca48aa02da66b7e5de884c92f6ba0b6b693f3154b084
		2 ⁴	16	0.000186095	0.000588692	0.000128851	0.000012223	dadc3603434e3b66080b6d7323fb0446b9e13e82b3bb3f18e8df318f2fdadf37
		2 ⁵	32	0.000367835	0.001222038	0.000237011	0.000020296	3df579660e5eccb22c090d8d9263643a78273ffe70b817129775e2332ff98ae2
		2 ⁶	64	0.000700143	0.002410855	0.000446196	0.000035628	812b01b61e0ee0dc145dd5a17954ac8f9d3adacbaddea81f9473ae374fd87c382
		2 ⁷	128	0.001334000	0.004729081	0.000843763	0.000064398	c193880d33edc3961a0da4a5e27fb559381366cd96da837cfff0e7ec263bd2031
		2 ⁸	256	0.002687010	0.009723962	0.001602127	0.000119650	ec0b5672d138e0d254565441cb75c6098f5334a10717e6bb4215a642a5b7c72
		2 ⁹	512	0.005303220	0.019627258	0.003271348	0.000227398	700716c0512e0154e2c0444b643605fadbb2f09de4e9910244d94ed3288adb1d
		2 ¹⁰	1,024	0.010501503	0.040207349	0.006408096	0.000441243	4eac1ec98f97599221ac2fb3609de7c50a0eb7704befdcde848e623c28d62707
		2 ¹¹	2,048	0.020976471	0.085465018	0.012803460	0.000867693	66da6519e8df31aa5ae759513e6b9f018d7ac44f1dae572719f49a90a67ac6f2
		2 ¹²	4,096	0.041819688	0.189647314	0.025534430	0.001722029	59d719190612d202cd0653e8576c985df4a38f102d91d620dbc372d8633cf8c0
		2 ¹³	8,192	0.085243708	0.457530071	0.050991311	0.003455434	f4d9985cef1e8649d371c6b653447df45361273c11a4c545a65df924a30b8931
		2 ¹⁴	16,384	0.168875864	1.199976098	0.102803225	0.006999706	76e34c3a935ca3f61a7e37f56d4c9ecdc783bac37bd253a96161938d8859ee25
		2 ¹⁵	32,768	0.336155610	3.431226610	0.204733660	0.014271845	3faccf9a78b9c36e97d9f8c354e6fe9697484db755671bdb7d25d527528d6ad7
		2 ¹⁶	65,536	0.670023789	10.120014096	0.407995822	0.029272315	f214bdb4618b805b6b903a0b21eaf9b393ecfe0dccc0cd981082bda4b3001b4b1
		2 ¹⁷	131,072	1.338161469	28.321645169	0.815669137	0.060158014	bddf6c5cf42e3c447388aa3f8b0d6adf4a812bacd0937179d9d41a0b25353c57
		2 ¹⁸	262,144	2.673952047	70.713995562	1.630862450	0.122861476	a327e87adf14de85e85c064cc345d3e78cac7929dd77d5abc546a7fc8790de95
		2 ¹⁹	524,288	5.347881448	156.853993104	3.261092686	0.248597299	d2c0fc724e884beba8f8f1f73082882485130884ab8fe5af13c422a90b903ba1c
		2 ²⁰	1,048,576	10.695512228	329.030828933	6.522177350	0.499798668	4fa054e18100c2f78c94de26ac4a04e09e3ce2edec0adf2b9b2d1e073fe7251a
		2 ²¹	2,097,152	21.395293683	673.600853458	13.044725983	1.002202489	d55f0b84ec54b8f2a6e2ce19b0801d60beb3785aa26dfc843d91e82ac9f9c0ba
		2 ²²	4,194,304	42.768706738	1,362.300564008	26.095363179	2.006757321	50262ec014d85568701a0cebdd09499ec1de38ab080886b422cf9fac589253b6
		2 ²³	8,388,608	85.548805134	2,739.943440974	52.175612663	4.015835951	4aad2f903094e1e09b208f3481c7f83c851be0b35413c12da2dd498785b68c05
		2 ²⁴	16,777,216	171.090037157	5,494.826893039	104.348516393	8.033976995	661141163cc738a19a5d3eb419d6b67ee53cb2e17b332b5a2fcedc4c35307f1b
		2 ²⁵	33,554,432	341.940159538	11,006.181561913	208.718087485	16.070401203	5a3b055bbc4a10f50aaf5c2e4347705e481b47fa366928aa19f157da88897a5a
		2 ²⁶	67,108,864	683.140825778	22,030.752437088	417.396679311	32.141960937	3618e4625b7831395b461577016c6fc6c93f7ce6d9351223355767e52648cd16
		2 ²⁷	134,217,728	1,367.987579361	44,061.504874176	834.723288941	64.284027550	81627c73a1241bf8bbbbbfe459ea0db2d8bdd8c0b495daaca3e67fd6067fd8ed26
		2 ²⁸	268,435,456	2,734.714547509	88,123.009748352	1,669.361299625	128.559775015	de6d8209629f4e57b8a73ad7c4a364d1c296a6be533544836b4c6de5da16d908
		2 ²⁹	536,870,912	5,461.248385648	176,246.019496704	3,338.633904116	257.122157886	658528c5611c44264d1335007c56226562f1dae4be0be9d4cb2c3d1a64b35dbe
		2 ³⁰	1,073,741,824	10,910.577303733	352,492.038993408	6,677.184147767	514.219438928	92638a1451586a66ac8275617fb5d569f69cc70ac6e02096faa415d4311383f9
Time limit				14,400 seconds	21,600 seconds	14,400 seconds	Unlimited	

Extrapolated (doubling the previous one)

Container size (elements)		Rounds		Execution time (seconds)				Digest (SHA-256)
				std::deque	std::list	std::vector	EntangledList	
2 ¹⁷	131,072	—	0	0.000000000	0.000000000	0.000000000	0.000000000	10e2e6fdec7b872c82412b10ac2b6920d8db5e82a45a9ffc268cf9af61285a8e
		2 ⁰	1	0.000028065	0.000077778	0.000010382	0.000004510	7b39ecd4f7fd500eaa81138d7996ed5b00f13a7b5faa40c06171fcb554b78d86
		2 ¹	2	0.000054627	0.000152088	0.000035837	0.000005519	a07804df1f0c830bea9608620412932d24a8c898459d163fc250dd81f3f47027
		2 ²	4	0.000104503	0.000302719	0.000073008	0.000007170	7dfc345d4d9de203557dbfad111b07b6293e8d3eee8b08ca054b2e60bfafbc1d
		2 ³	8	0.000221126	0.000682736	0.000156600	0.000009655	94071d876cc499aa75bca4ea7b53f0d3a94092afd35e30654d85a6b2cd79ffc2
		2 ⁴	16	0.000424592	0.001369995	0.000286784	0.000014793	c5191d3f8964bd9f7b138956c541a28cd3f9c9175c11ee40b48bbd8371dbe8be
		2 ⁵	32	0.000745823	0.002476655	0.000569314	0.000023835	4e334cb05ccae8ec1e2d01839352f21ebee03c644fabaaacc2476a16f60a1fb
		2 ⁶	64	0.001406610	0.004757419	0.001007135	0.000041111	441f2391ee4ebb1d987d0dca4d3ba473affa10adee628f3a83a7f9d2b143011f
		2 ⁷	128	0.002775808	0.009566218	0.002042383	0.000073650	85e7455942ba1daf8b7808ae90a062b25ff3b1d18f0895947f4615c028c3ed5a
		2 ⁸	256	0.005395742	0.018886352	0.003990710	0.000136223	c6bfdf3330da05f7114478f5b4bea760aa81b91a16ca146f521b369b1222da62
		2 ⁹	512	0.010814526	0.038360949	0.007974608	0.000256494	208fce45a762fd09d2ade0bf7a7de41c1cc1656ae31d349029fb7b6b21b03791
		2 ¹⁰	1,024	0.021646842	0.079495068	0.015995477	0.000495918	232380397e7e2a0382db0695d7760fd7a71cdfea4ecdde21bac2589c7f7121f7
		2 ¹¹	2,048	0.043568828	0.164606452	0.032165590	0.000968422	9203a71b01136bbb9a0e19402b0f2c210c63352d2149f75d9f5368d84d93f8e
		2 ¹²	4,096	0.087914942	0.354410571	0.064103774	0.001918429	60c184c810ff8c9e37be28c3c0d020f9ae5aa0679b8bece3b2db8806187145c4
		2 ¹³	8,192	0.173566823	0.786707328	0.128198219	0.003837257	355677ac8b9ffd0ad5ada046cfe76be3ffc167de072ff7b66fdca0ff31847e97
		2 ¹⁴	16,384	0.346701860	1.914373979	0.256330515	0.007739778	114faea2ddf10e2ac5d6ac138b887dfced6e03d45857f0352d1d0f1406f2a53
		2 ¹⁵	32,768	0.690721484	5.095072389	0.510786601	0.015701342	03c1704f20cb48d00f7408c1b28cb995588fd34c4c6dab73fcb8f4af1a7e44e2
		2 ¹⁶	65,536	1.379055065	14.723306201	1.021821967	0.032037949	6e80a0fb74216a76ec33552009d4a6557d403bc3f509e8f834fabd0e3d359303
		2 ¹⁷	131,072	2.760952033	43.581257179	2.044684740	0.065791290	b5c12a739aa063fbb9a4f1d4105a954366883c7fd6f67b58f8651beddbc8ecfb
		2 ¹⁸	262,144	5.520976552	122.207746884	4.090544442	0.135278704	4b06eb4e438024d726fce99e26f2d043852bdc4d19c61c27470e905efe6b1952
		2 ¹⁹	524,288	11.047231909	305.779959423	8.181911277	0.277030143	391b2055a01799f60ad120dbf464a9ea62e489da6140e467f2e9dd0aad4bec17
		2 ²⁰	1,048,576	22.085214920	678.901582068	16.362750003	0.560601690	4ee0c47b8176e6acd47c0598bbd85be62829453dbe861bd90c0f4cbdaf1e70
		2 ²¹	2,097,152	44.187585046	1,426.505729254	32.725458805	1.127789199	822a34022700774f2b5bea8b2405afd7b6694ccd74651d14638db585643f2f4d
		2 ²²	4,194,304	88.385527452	2,878.324913196	65.439051711	2.261924285	2bfeed9990ea333a34c2f97ada4902db8f901d5f768690c5f99421134d3accdc
		2 ²³	8,388,608	176.846013815	5,667.099521328	130.864131440	4.533288772	89ed087fb75c1959900ea45d3e1208a90b8ab44a352fbae091698519123a692f
		2 ²⁴	16,777,216	353.661731113	11,240.557699059	261.748842869	9.074318828	25aff0a7ad1a62f1a3d35ee58816a04dff949cd74766145dda7d5622bfac4670
		2 ²⁵	33,554,432	706.928094214	22,391.839889783	523.496020008	18.149514558	93c0041d26761a96f2d124cccd09be3d8ab7beeb93138b751110bc95251122b9
		2 ²⁶	67,108,864	1,412.461693719	44,783.679779566	1,046.941549584	36.298648867	9d383a107b3a986cfcdd66d30aec5d983604c11e48825a46aadf7fd8bd40426
		2 ²⁷	134,217,728	2,823.372484653	89,567.359559132	2,093.961361503	72.587191224	d1fa58f677a610bbd5cb486455f83574e87b5d65dd2674e7e70ab45df1f3ba2f
		2 ²⁸	268,435,456	5,643.680581091	179,134.719118264	4,188.111753181	145.180001712	1bcd39e662fed99e7e125b594ea813aa3fca37e4a194f93fcff40bd454dd9e94
		2 ²⁹	536,870,912	11,285.147600645	358,269.438236528	8,376.276551592	290.350374088	b3f2f3ad025261059df7cf1d17e3afd7689f4360a3a5f17b0de2ccccf4f62f4ee
		2 ³⁰	1,073,741,824	22,567.169422003	716,538.876473056	16,752.016171482	580.645926973	402b337871eff25be3d05d8c2dfcada685a2eaa8a5d64627093a12af6ec644c2
Time limit		14,400 seconds		21,600 seconds	14,400 seconds	Unlimited		

Extrapolated (doubling the previous one)

Container size (elements)		Rounds		Execution time (seconds)				Digest (SHA-256)
				std::deque	std::list	std::vector	EntangledList	
2 ¹⁸	262,144	—	0	0.000000000	0.000000000	0.000000000	0.000000000	316dd6d4d7b71ecfebcd93ad8366cc5c12ab1fb5106b57a5282e0cb764bdbd48
		2 ⁰	1	0.000069004	0.000295943	0.000027513	0.000004537	3752f98e826404dadfd46e013751c6d9b3826dc8cdf06bf8cf9e1406abd2c4a0
		2 ¹	2	0.000103016	0.000412394	0.000039140	0.000006331	0c5fda17b5b553ce15883eaf70c70feaff358576e4aba1b3569eb32740f20c57
		2 ²	4	0.000218490	0.000817355	0.000135861	0.000008329	7445eb13cc9d2ecb27f266ebf1b4b72d4ea3b04a5284c9ec70504ffd4999226b
		2 ³	8	0.000420216	0.001536963	0.000247968	0.000011348	09a424d05a5fb4d50b9725854c10335831ea37a5575a5a025b2df3766e882e3c
		2 ⁴	16	0.000686255	0.002477734	0.000479698	0.000016912	dcc9988b3200598f812601abf536192b06e3dc6c31affe8ab212c56da1c4b68b
		2 ⁵	32	0.001375113	0.004910318	0.001038199	0.000028202	d92ec3211a42a994ef004dccb983fb79047558408c3c0362c4af52e87139c6ef
		2 ⁶	64	0.002736590	0.009709240	0.002086642	0.000048954	d80331ad5b578c252af6930298d1e153971188fe08d12fe14f09cbdf2cbceb9c
		2 ⁷	128	0.005576220	0.022477264	0.004359035	0.000087670	6198ae1ccd698fbd2d92b4edee785fc8417ab78c7fcb5f609282d0283bea8484
		2 ⁸	256	0.011009606	0.042105607	0.009189301	0.000161599	aace87ac31466c1898a3661ec1a85f0592f2c61c6ef35026baec7046c65a978
		2 ⁹	512	0.022132671	0.080817047	0.018760904	0.000304378	3e24e6496c26ee57140395f255c46a53be8deb5352b1f36a5f7d2897a289c077
		2 ¹⁰	1,024	0.043956872	0.159966872	0.036956919	0.000587091	8787b60622a9624dc1e921b27705d3267b5cdb449e03bf100b4d82a83d97eec6
		2 ¹¹	2,048	0.088105007	0.323812083	0.074240664	0.001140507	6ad36969850d5ec00eb85ca3e40d4608b9529a742aa130ba6293900fa447a39f
		2 ¹²	4,096	0.173614135	0.660549772	0.148084881	0.002239591	b4dc13e5ad08e6b302ee9918e244132769786e50817937215f4cbfd63a43c009
		2 ¹³	8,192	0.346991572	1.420269893	0.294954407	0.004433511	b52c4c9322fe7c7a6b24dc884faa54f7a4490922b0f22893fc73ac8c9e64bc4d
		2 ¹⁴	16,384	0.693270040	3.241828624	0.589688956	0.008851424	c901335c02b1bdd28b08b621662356e340b3ebacbe5ca0992ddd11ac79c3e648
		2 ¹⁵	32,768	1.389626102	8.061388407	1.178357271	0.017819244	db95e5b074d4ba05e20b6a22ca141a28572d90da2364f9140a83fc4d153a7d0d
		2 ¹⁶	65,536	2.788669226	21.940807735	2.363462121	0.036254673	2c78956a8332a42c89f3de0b6bf5b9eaa6ca6e6c74db6aecc80f755baa8c3c0a
		2 ¹⁷	131,072	5.576084010	64.024973346	4.730040202	0.073963144	0f12a84e589807daed6cc241fa2dbc75b9020fc168c8500e3a855d45bbd3a548
		2 ¹⁸	262,144	11.156863475	187.924732663	9.452822471	0.153414157	f0db7ea0e534e91382f753f061cdb3baa36ab5dd2eb031cbb3b91e37f9427277
		2 ¹⁹	524,288	22.313048207	527.289014421	18.912419002	0.316109833	0b20abf078adc48288d93ade8d12c781ed053798b2ffaf7692f8352911fad53f
		2 ²⁰	1,048,576	44.655878565	1,329.113867991	37.821629194	0.647466018	f4d4a8e4d56964831bd5efe87e47804ddcfe3dd7380c1292ee8e2f07b353376d
		2 ²¹	2,097,152	89.319923074	2,862.926758020	75.625226768	1.313555221	bc8b2012e32c977b3d64d4404336fa99a3673e36dd45c1eff72202bc1f773285
		2 ²²	4,194,304	178.685042612	5,686.642130131	151.246479683	2.645461504	d8e35d758f399be9cd1f268672fce3e0f6a57a997442ef3676620d510a67573c
		2 ²³	8,388,608	357.263675499	11,331.360521747	302.442347589	5.313410740	085c52de5a39c2bbd395bd1b02b99649a769acbb40611dc6ec1e87f11464bcf1
		2 ²⁴	16,777,216	714.561362585	23,233.924302028	604.796983779	10.664656276	bcbf705176217cba2954b1964be75405d24669ac840ffcf4ab3286c09be00b91
		2 ²⁵	33,554,432	1,429.536806119	46,467.848604056	1,187.396390549	21.366471122	3ba1bcf99a5968f8fb7db08f4fff3629dd7af4afc7a6d047aa67c0306462c0ff
		2 ²⁶	67,108,864	2,859.334015932	92,935.697208112	2,335.506423242	42.748738412	74a7e96dc1df24b2ef4a66c3288320433e6d28b00ccca2e8eeb3661fc07b7615
		2 ²⁷	134,217,728	5,717.652155783	185,871.394416224	4,631.739402280	85.686737975	1eb1c6d4691c646e718fbae6f8f36a2f5bacda44ce730d2a1538821759a6a3f1
		2 ²⁸	268,435,456	11,434.782686652	371,742.788832448	9,224.214917184	171.107702327	4dc67082145d0519f9a747caeab6588addfb617b345586327b628c0228e750a4
		2 ²⁹	536,870,912	22,868.446164322	743,485.577664896	18,409.148119982	326.281454809	669720d0d4293098aa203b0fb470d4ac21b1ca5187a6a56997aa633be2daa4c0
		2 ³⁰	1,073,741,824	45,736.892328644	1,486,971.155329790	36,818.296239964	615.431524565	8d198580a769f24fc8121ee29cc9bf7c09359eb520ee754043d9bb7a39e38638
Time limit		14,400 seconds		21,600 seconds	14,400 seconds	Unlimited		

Extrapolated (doubling the previous one)

Container size (elements)		Rounds		Execution time (seconds)				Digest (SHA-256)
				std::deque	std::list	std::vector	EntangledList	
2 ¹⁹	524,288	—	0	0.000000000	0.000000000	0.000000000	0.000000000	fd23ef9d556ac3ef033af130d5ae699e93dbcaae21cd42bf89b8e05440bbbd5f
		2 ⁰	1	0.000024797	0.000087006	0.000007644	0.000005380	abb15e6dc0e52d978a292b6f2534d06388ed7518e756132750d7a85bd13c0496
		2 ¹	2	0.000037255	0.000140438	0.000089176	0.000008276	4529d4f9c9091697fe9ba5669266327790af3718c2e40d82b06d016d8582860e
		2 ²	4	0.000247327	0.001136622	0.000251812	0.000013368	78c1304f354ad3cd8fecb58c3427e530ad376e8b7cfc0267c2c24b7d8a47937a
		2 ³	8	0.000806733	0.003667069	0.000522127	0.000020001	1c64f30707defb82518345706c29a0f26fe403210cb7e6948467d0f3d2b81c6c
		2 ⁴	16	0.001605454	0.007349790	0.001211403	0.000032622	96b598787d455132beebe85ff547bbef0b4535642103318069aba67af76039fb
		2 ⁵	32	0.003443201	0.015697570	0.002263824	0.000053034	1ddc30f87c4e16b404602b52a20a0003636df58dabee088bed33473c575ed823
		2 ⁶	64	0.006168836	0.028464201	0.004670025	0.000092532	ae526469c69e4e2840839c1971b1b4153a3391128707f444257e5ec14043ee8e
		2 ⁷	128	0.011239456	0.052135281	0.009366419	0.000167101	c051389d44a123f9cfe22c1344b3e4ac3d9174c392b12fe2731e35ddf2f6f18a
		2 ⁸	256	0.022670030	0.106619924	0.018459043	0.000304132	f7dc37fde774d257183159747cbbe220d0bab8108396b955afc4075e5999acf8
		2 ⁹	512	0.044867356	0.211210649	0.036864938	0.000559207	3b5a441a8f473a29d2a026d89441e73952a8c9a63bd70bed798d0bfc7c8032ce
		2 ¹⁰	1,024	0.087541902	0.413747661	0.074023429	0.001042685	d616f727e63a51b5c4d2d1a6611f41061193163d5b0375b0b52a34168093803b
		2 ¹¹	2,048	0.172852701	0.823319684	0.147033903	0.002112589	25899af80c57e8038b77c18cea5ceeed7449ae089473847b3174796e44f16aca
		2 ¹²	4,096	0.344508571	1.679076912	0.297568740	0.003813781	eaee5c37083e26e34734685793b1f031f34cd85d2d9fdb8e42d4246586964f9d
		2 ¹³	8,192	0.689968783	3.513814312	0.594551753	0.007085658	888962fcbd427e99d2ebf17a4de9870528aa2db30ea0d94c246145e3f1d05c56
		2 ¹⁴	16,384	1.379085316	7.624214997	1.186670710	0.013503396	f3e3973cf57a75aa7afbaca565aa0669bc2a0573eea48a19368da92adb59db52
		2 ¹⁵	32,768	2.763012325	17.557913346	2.374210000	0.026126326	70277b844a7ee9ff5a0cbfb6962856354c6e25c6d561d7f6306377979e74b1b1
		2 ¹⁶	65,536	5.531756378	44.209589134	4.740908537	0.051692845	9ae154886d30bd4e23f89d830acbcd4bfb6a649656416798fde9ba289df4d10
		2 ¹⁷	131,072	11.064145537	125.355446692	9.485096886	0.104082594	42ae20ee44f9e26447385f83dd67403e22bbb00d60ffd0491af4fba36edd8a76
		2 ¹⁸	262,144	22.142367050	405.683861428	18.975037735	0.213608855	a5ad9ad9474f35d2aabfd31356baeb080e96db98529c7c335e5959c65069e5be
		2 ¹⁹	524,288	44.280299609	1,408.423588902	37.960158836	0.445219130	ac10782a10adbcd43f44bb2593670c044b72e7b95c9f98e8efaf3114ea82bbed
		2 ²⁰	1,048,576	88.580803928	4,433.209519568	75.893106100	0.944623842	a1741d387ae7478ce69dc70d6c04acaa2905c95fa68ad6516a75b08edef6a3df
		2 ²¹	2,097,152	177.113525771	11,798.359991645	151.677595675	1.944648194	ff5cb722a4e64b124230d228ec1bdc3a32035825518c19bfff3aa62b0e292b6f2
		2 ²²	4,194,304	354.133776899	26,838.726961602	303.299759689	3.942161163	98768ed439485007516d704d87fa14d3d4bdf7f46abc81cad0409eaa14c8ebfa
		2 ²³	8,388,608	708.307791932	53,677.453923204	606.589697237	7.947144765	d71a08107d84bb413ef1e5799babb6b5570c28b115c2650e69956136f6301414
		2 ²⁴	16,777,216	1,416.798012093	107,354.907846408	1,213.262346372	15.956531849	5cc95a762b872e847e73514903cff38860fd28abb85b8860cce6dc5c2f759491
		2 ²⁵	33,554,432	2,834.132473754	214,709.815692816	2,426.446581867	31.979239246	db61cecb07a8715dafe0bbeb1438fad156a42ccd9eb3507680e82a3479578868
		2 ²⁶	67,108,864	5,668.469656331	429,419.631385632	4,853.093054398	63.875577700	e1df172d7fd8af48dbfaf31803045fb76abfae9262f76c12f9733289e1e41879
		2 ²⁷	134,217,728	11,336.841685400	858,839.262771264	9,706.389462599	127.651225289	769a1f84f64aa77a7dbb84a6df6924699890a23ff931104f0127ec468df3a1a3
		2 ²⁸	268,435,456	22,672.799579387	1,717,678.525542530	19,412.768550106	255.232516302	39aca429be7ae3a30e657086a201548c6b22a39a18fdc51ba02cf9930739b119
		2 ²⁹	536,870,912	45,345.599158774	3,435,357.051085060	38,825.537100212	510.407084063	9f6c01b48f5f2ea7d48a15e21bf17ebd74bd7738b4073340f769e489d99c39cb
		2 ³⁰	1,073,741,824	90,691.198317548	6,870,714.102170120	77,651.074200424	1,020.409343984	239ab3020e03b5a9c0b38eea8b457d647a0e6fbbde91a718cdaeca07ee77129b
Time limit				14,400 seconds	21,600 seconds	14,400 seconds	Unlimited	

Extrapolated (doubling the previous one)

Container size (elements)		Rounds		Execution time (seconds)				Digest (SHA-256)
				std::deque	std::list	std::vector	EntangledList	
2 ²⁰	1,048,576	—	0	0.000000000	0.000000000	0.000000000	0.000000000	003a01a63f2e4bb4c489a633f739f757b8e1ece65b91a278181188fbe6dd6736
		2 ⁰	1	0.000216711	0.001147557	0.000113690	0.000005769	66fe38e608c22ceca9de07a537b208cfff225ad64dfbcc9f86d58cfdb685cf8f
		2 ¹	2	0.000572873	0.002921828	0.000288413	0.000008159	d50ba4705e2791a79ccc0c2188b4496a113eeef549ab72dd35580fb1470a3db4
		2 ²	4	0.001163842	0.005038504	0.001017225	0.000013188	c2312ed80baba027c955db14b014a8cddea6da8add392723f7f0b68acbb032d
		2 ³	8	0.001919251	0.008818265	0.001809490	0.000021476	46bedb65140ffe1d1a0699e17f3229c74258c9bb44aa7ced3c7dacabfe7aada2
		2 ⁴	16	0.003816804	0.019144726	0.003195163	0.000035880	906fe03f6d839315e756b7d406474ccddbc68ad2f23ea0bd4820dba36eefcf8c
		2 ⁵	32	0.005808582	0.029389924	0.005747753	0.000065046	d3c4955a14df16ca352bde91ab302e58058484c3bba2832df718c987bc87a3b3
		2 ⁶	64	0.010913984	0.057843331	0.011353947	0.000120883	cbfdcac3f04846adbe5461c1e5243b663d27c01f44eac0e5e4c1d77a0056661a
		2 ⁷	128	0.020891091	0.113813862	0.022073085	0.000223782	51f800a1263add64ad6eb5e132c56e12f22ad00d7d56d42a9f05cabcd6d4be35
		2 ⁸	256	0.043442174	0.241473734	0.043710109	0.000414755	e772d4725339dbdbfdbc10623cb1daac5cddf4c9a2f1658c151345b3db127e28
		2 ⁹	512	0.085887888	0.480520425	0.086721545	0.000774690	d10d2e63bb04475690d8bdeff827d9666b5d185351829ee69a8176c1d0a3af01
		2 ¹⁰	1,024	0.170785621	0.963380290	0.172239580	0.001438342	52e748c187c7bd40212540e347f2463b51be43d7747768d6b48bb28b0cfc8c6
		2 ¹¹	2,048	0.345669287	1.973728022	0.340889192	0.002688332	790ad7179d0b205a1dc9a6ba2cc658f441d4552262a41f872a2ef7fb192eee73
		2 ¹²	4,096	0.692977878	4.021763464	0.684524123	0.005002107	6e73f618dbcfb192e10af0be4c47bff33d9eedd670cdeb5470d09fc78f0dee1
		2 ¹³	8,192	1.396678291	8.383943965	1.362085623	0.009388758	18987a809c303fd2de7c24c45a8cc90d1e1a34153d7226a8cff050c9e5013786
		2 ¹⁴	16,384	2.801292457	17.850281445	2.715743850	0.017762303	bfa147b39372e2d3515817c0c284c9184b43185875ceef2a3ee596e2f310036
		2 ¹⁵	32,768	5.613598779	39.953976109	5.443315675	0.034225137	b74ec6335e378ce5751ab8a92dcaa09cd7df2acd42543cca13e43ec5dce2c4f3
		2 ¹⁶	65,536	11.226086795	97.437322918	10.890885070	0.066989609	76ebff7fb470d520c4b09b61d34318599b2a93e14ae8b5844c8bccd31882a57
		2 ¹⁷	131,072	22.509438728	275.947622490	21.776194384	0.132953698	39dbd8cd63ba055e25a57c57457995fddf42c9c2b448448b7ed3bd01b3e2b090
		2 ¹⁸	262,144	44.941197581	904.653267900	43.546113333	0.270062485	3e38f9c95eece8b5812b829bfbaabf400115300fe1dcb137203cceb32b278134
		2 ¹⁹	524,288	89.862911228	3,086.118203589	87.136435717	0.559338525	c58fc3849915f6166bd6528b64f8ea1257b469708cba6c0bde7a216d90b499e6
		2 ²⁰	1,048,576	179.645339402	10,340.575623622	174.233029594	1.174561031	b3b36a4f17c8321f6758e22d897a25626226770bdc7b34712e638eb08f6cf1b2
		2 ²¹	2,097,152	359.265387888	32,043.163197392	348.437494146	2.481678394	ba2379a0ad6b2bceae0d8d4f59af1b84ba7cd194734cb299869095450ccddd64
		2 ²²	4,194,304	718.576698191	64,086.326394784	696.657133573	5.159163991	420596145fa6d1edba4e3bc13863e6bd1aeaaaa616928ac42e44ce4aec301c36
		2 ²³	8,388,608	1,440.752362992	128,172.652789568	1,393.294316457	10.542213688	883be33907bdfb7d6961c21fdc25e4bf99695e5a841510a36238a268e674adc8
		2 ²⁴	16,777,216	2,884.864946150	256,345.305579136	2,785.531959698	21.305853242	106f14446790d35b0ff06228c986ca3f38110407aac553314a48ab04eaddac58
		2 ²⁵	33,554,432	5,773.095501747	512,690.611158272	5,571.181188709	42.810828209	8092255e529e7db97efb61191cb5407f3c8b6847cb415b8141b26ced148ba189
		2 ²⁶	67,108,864	11,549.739204082	1,025,381.222316540	11,143.419847053	85.828661160	2645bbf8b04dabcaba7124a23b76e66bba3e956322c89ebfaceeb9f1181cef4a
		2 ²⁷	134,217,728	23,100.016859128	2,050,762.444633080	22,285.727789419	171.847534773	ab4966849006dbfc8ecc998f3e21aff0308d72f07315c8106548a35a41e1bd38
		2 ²⁸	268,435,456	46,200.033718256	4,101,524.889266160	44,571.455578838	344.117254711	c42ace3db667adbe7cd4680856dbc46116f86a814360763b427a3b1fa557ffddb
		2 ²⁹	536,870,912	92,400.067436512	8,203,049.778532320	89,142.911157676	688.492416880	e9de1bcc551bc9227b5c78d0fabbb1f86ac642660614fdc288db57e3c39356575
		2 ³⁰	1,073,741,824	184,800.134873024	16,406,099.557064600	178,285.822315352	1,330.123085477	e7b78bb29f0d25dd97cc5bd2ae89fdba9a7f049c080480f199a7af155e056029
Time limit		14,400 seconds		21,600 seconds	14,400 seconds	Unlimited		

Extrapolated (doubling the previous one)

Container size (elements)		Rounds		Execution time (seconds)				Digest (SHA-256)
				std::deque	std::list	std::vector	EntangledList	
2 ²¹	2,097,152	—	0	0.000000000	0.000000000	0.000000000	0.000000000	6695826644e3e1e029a493e384b7166659787a6acad1c6955b68d4fe86b0ecac
		2 ⁰	1	0.000277340	0.000901294	0.000716214	0.000005981	aeb4fa610e9407ef7997468f60191c20d2abfc0cdacd5c8e8746c0e617a072b2
		2 ¹	2	0.000780993	0.002941918	0.001054830	0.000009384	02ff54e3da8f708016c7bd332045362728771fa6e2973b3387065e4417c5d8c09
		2 ²	4	0.001780712	0.006421549	0.002436912	0.000014951	206b08407c756af9ba89784672fb4be41ebbd7a057937096fbb2d80487fb4bc
		2 ³	8	0.002660058	0.010148806	0.005242324	0.000023484	7da5a144ff2c9a36811b142eb82a22f566679d8bb6a33a7b6e540cf41855189a
		2 ⁴	16	0.006327656	0.026101071	0.009871289	0.000040032	4135ab173cc147cb5655a07d71d905df52fdb396f1282cd96a1e4c44672372a2
		2 ⁵	32	0.013791905	0.059057870	0.016732841	0.000069940	628e5285cce59e8a46604d1853f979150eef937ef72e0225caadbcb8ba58d893
		2 ⁶	64	0.026981167	0.120103196	0.032609024	0.000129425	08e148f83f5ffaf1a42e139dbdf225124b69fd8e9a5c300f0c4ecba099311adb
		2 ⁷	128	0.056202295	0.252078140	0.063540604	0.000246613	077f1f5a2b6deb403eb435101ecb4816e649ce528da40ef4ae3d4df92a3269b4
		2 ⁸	256	0.115386956	0.520326448	0.128331866	0.000465986	fc73655ea1f9ebe0f33bd43275f14fbb156c6e2e4a762da5ba82f3619c783acf
		2 ⁹	512	0.224623010	1.024095947	0.252987163	0.000880651	3fde04008e8142f2461fb5e9b91b6959597adfbdf5431f18e2d6b350d410a7be
		2 ¹⁰	1,024	0.448146754	2.062076596	0.495798672	0.001668401	f1b626c7d49487e1471ed591d8cf31542e835a902d944f922d21dbc3870f9fcd
		2 ¹¹	2,048	0.894586189	4.150990225	0.990350025	0.003195975	c90e36723f36754ae73aba5e8a19998f26bc2dbb9dba1700d0943983bd44c54
		2 ¹²	4,096	1.773645781	8.379314349	1.952185355	0.005953967	9721dc450e815388714bec11dddaa67dd0ad805f75408217e3c26f097e61cf2c
		2 ¹³	8,192	3.571696058	17.207629075	3.896174372	0.011121601	b63729009a25398bd285684accf617c3dd705295b93c360e18935539f5a300c
		2 ¹⁴	16,384	7.184901229	36.129338208	7.723960172	0.020990134	62ac80e1596aed9b1893449a76aea13fe5c8ae23ea14ae4da0b48e4755e2505
		2 ¹⁵	32,768	14.344353319	78.420763568	15.410288717	0.040423132	1f76e0c5f7bc6b2c92ca3364c457974703bb21e92076a3fa1c2859a4afa637bb
		2 ¹⁶	65,536	28.776875844	183.144423454	30.713738588	0.079265080	d446b1981f9b3956d297c7a58023c38d421ba3e84e5cdfc15eadc8d0885760e
		2 ¹⁷	131,072	57.514149007	473.462737083	61.513128622	0.157001334	ab19caa3c8d4668bd8a36279e06cb14909852db37f51ac3f0e8c85e68805c670
		2 ¹⁸	262,144	115.063968364	1,404.282714797	123.029172652	0.314688319	af837d709c7421f2b236cda4149cd55b8956963ade8bd47355d217d826f7efd6
		2 ¹⁹	524,288	230.121545804	4,512.641867612	246.152390195	0.639828628	ac2c99194d6c4e8159deaa8b4c977d9e4d4afe6768da0c32f092d02fbbc9a424
		2 ²⁰	1,048,576	460.287266109	15,420.051698762	491.174549846	1.332436461	2926c6d0938d6d986a12d72f495e09fb4e1cdaa426a9ffde6f26b9ac0524525a
		2 ²¹	2,097,152	916.579821572	51,385.230195143	973.182938612	2.821633695	56423516a9e03da5b6c86d006d7a655c591e830e3dd43bbde02f3ae9539bbd12
		2 ²²	4,194,304	1,827.275079880	102,770.460390286	1,926.547694012	5.985083291	ad9a376e269be66fd03ee154a5a07d015f92347937975509ccefd595015323cd
		2 ²³	8,388,608	3,648.329460617	205,540.920780572	3,831.299717558	12.449399594	82a135ef7b41fb1a91b4f929803322dddc456b3a6c988390b17ec436f779cca3
		2 ²⁴	16,777,216	7,288.522602354	411,081.841561144	7,643.154282239	25.438637083	c5395be9234f8ff95b16e8dee586fb189e70df30e483cad0865502b21c8808a7
		2 ²⁵	33,554,432	14,573.067568628	822,163.683122288	15,265.515489058	51.442785014	9cee551b0c988be2f53b2605533861ff92065450a0e964a8f36409058c9d05a5
		2 ²⁶	67,108,864	29,146.135137256	1,644,327.366244580	30,531.030978116	103.457617023	3832748656877d4b9afe58b4edf133e41ef90eade155f29785fad2b6b3ea36
		2 ²⁷	134,217,728	58,292.270274512	3,288,654.732489160	61,062.061956232	207.496301798	a35507e0063ec8494c03039c5bcec533ed5e979083ad80dc85033e806ccc96a
		2 ²⁸	268,435,456	116,584.540549024	6,577,309.464978320	122,124.123912464	415.601860610	ab26a1e92c7d210402caaf1cd2844b6d61d235eb8d1a65a3a6fb8f5c3e1a672a
		2 ²⁹	536,870,912	233,169.081098048	13,154,618.929956600	244,248.247824928	831.692913762	ec68eb022a51b82d170ae5c2fcb55ab05dcd5be41dff39e57faa8c170f6869f0
		2 ³⁰	1,073,741,824	466,338.162196096	26,309,237.859913200	488,496.495649856	1,663.423298215	d3cfbb42ead6a530bafd2ab8e79b65c343ab0b507154b905a2443a6a0c2588d2
Time limit				14,400 seconds	21,600 seconds	14,400 seconds	Unlimited	

Extrapolated (doubling the previous one)

Container size (elements)		Rounds		Execution time (seconds)				Digest (SHA-256)
				std::deque	std::list	std::vector	EntangledList	
2 ²²	4,194,304	—	0	0.000000000	0.000000000	0.000000000	0.000000000	79586313c90698155106baedf438699b672274376b7f858462d6b569e924ce2a
		2 ⁰	1	0.001615711	0.005808728	0.002075339	0.000006597	369a27abaaca327e4072a81a4d347f811f80275d0ac6206f97d9af6fe1e901ec
		2 ¹	2	0.002452906	0.009129906	0.002557238	0.000009944	9416648f7c4a07c4b05f10f7b3b8441891a50a5573b40c36ebef76a83ebe71e4
		2 ²	4	0.004862531	0.017002548	0.006562956	0.000016467	801d3a927b018cf0ab618200432d15766ecc39a5c29b979a58d58e4f6c5e55e2
		2 ³	8	0.007888189	0.028219737	0.012243412	0.000027339	27ac8ca2919c1ecd38541e3543118fbdd2e083f16a80bb0387797c0d7dbb5b88
		2 ⁴	16	0.017139872	0.064973963	0.021986316	0.000048785	b19aa54c0afe fd2846aa4c4cd1ae2e99a4a086be5bc5d46893a38b0a3ab11088
		2 ⁵	32	0.029290793	0.114313313	0.040063196	0.000086185	eab09f6a08aea8838804df51e65d53dd40afe3be1ea38af2c60e17c588583046
		2 ⁶	64	0.061088170	0.237323593	0.084302259	0.000159697	41ad5faf875e2d77e59edbebf dca92a7a732f488231ee11a1f60ce5efffe4d71
		2 ⁷	128	0.129743587	0.501239279	0.172210621	0.000299678	7919ae0f24a0fdd0a70d0b9c3795a197485046517639ab967dce77fe91c6ca14
		2 ⁸	256	0.265178746	1.018202337	0.334344873	0.000557192	a0ebaf92bfc223a511dcfd50b1f730894fe803e7f46ee6e2aee68a06dcfb089
		2 ⁹	512	0.546942683	2.095093626	0.663097397	0.001085543	deb0f3174c72e318a197d7bebf8062b2bc61d94396316527f9b77b9dbb29a8ab4b
		2 ¹⁰	1,024	1.094921892	4.212988070	1.309688142	0.002028801	2b642eab68b1c757e74ca5c0e21b4fb35e0e2a6b94375902d0788fd06df779e3
		2 ¹¹	2,048	2.159925801	8.382243960	2.654818546	0.003761816	2d09e74f2afc600fdf9fee0817d772d7b7f4aa57be6954de35ece7a5911fc46d
		2 ¹²	4,096	4.322576177	16.939728301	5.312752569	0.007012256	ba59f53096b947c85eb32c72181b2376b0c30f8ecaef d595b6786afd9f67972d
		2 ¹³	8,192	8.740521481	34.795761455	10.571182900	0.013274474	93b2f485c69239cb635096acc794c840a3ff6e1d767cb0af372d85605734ed27
		2 ¹⁴	16,384	17.483105864	71.748296231	21.289457258	0.025571448	1219aa4a1436886c255520f6d67a94c2b2effe9dab43596454d2e52bf1f9cfc0
		2 ¹⁵	32,768	34.892137501	151.074341292	42.500581330	0.049211648	7675a65fae19c66349e123b26f949945404b7ff4bbd6201394f98e64ac9304aa
		2 ¹⁶	65,536	69.719635708	333.275764106	84.552669891	0.096247390	9fd9d963e2f616c41ce2ab2b3705c59218d880807f1c69aedf54c90561ef969d
		2 ¹⁷	131,072	139.625024585	760.127419591	168.261845186	0.191065908	15b1cff6de677ac99db89dc0b50d3ba6c62615d9d42cdd7baaa44f3bf8b9e3b2
		2 ¹⁸	262,144	279.409976918	1,953.136144505	337.263838532	0.379977837	9befc44e13b7470a9cf2b8839b44e883e7c996f64972f18b7cd8335816617691
		2 ¹⁹	524,288	559.423035331	5,859.519451638	674.434823420	0.764462639	90faf8a56de08b645d8e760e0d41e5a3c25332ca82c5c18e0e4aac98112b5b54
		2 ²⁰	1,048,576	1,119.149556516	19,549.591547455	1,349.225094901	1.555396350	84693379059b38a8c9461f1fb07df6bc9666fea8d96c4baaa4ac822bf379dcd9
		2 ²¹	2,097,152	2,237.845033180	67,378.753396376	2,697.071750355	3.224552001	81bf07a2aab7de255123a6baa0b80501776ae52beb83140fb0fd5bec080df44d
		2 ²²	4,194,304	4,469.353712407	134,757.506792752	5,392.383574082	6.815914501	76e4b172480d2f23b0e2110d7e95e75dc6d070a9150b0d8f2cc3429baa34aa45
		2 ²³	8,388,608	8,932.239990029	269,515.013585504	10,788.532039287	14.442194391	7463eda09f66bbeac5e4dca8d00265d76e48b0a3c33d637b022d6dfc6f7bb63
		2 ²⁴	16,777,216	17,857.223023688	539,030.027171008	21,575.959515432	30.037099724	81e10e9cf41e72b09e59cf59db32f2245ea4fa76c3c72d141e690f0d66dd360b
		2 ²⁵	33,554,432	35,714.446047376	1,078,060.054342020	43,151.919030864	61.469755051	6062bf48a99bef9c6a626847cfc9ba127e2af33e8d10e28dcec822cca1f2d86e
		2 ²⁶	67,108,864	71,428.892094752	2,156,120.108684040	86,303.838061728	124.331831572	68b00e63b03cf89727fc669b8162cea044f48286e99f431b32e5d3af2914f469
		2 ²⁷	134,217,728	142,857.784189504	4,312,240.217368080	172,607.676123456	250.070633988	33aba3603feba633069e5e431bb9dc4e163a16b650360d53ae072a5c09817b2d
		2 ²⁸	268,435,456	285,715.568379008	8,624,480.434736160	345,215.352246912	500.832186885	a3dd139e98f7ac00a92ba025971150bda6c5fb4f2a8e1c28be524555eeb24dfd
		2 ²⁹	536,870,912	571,431.136758016	17,248,960.869472300	690,430.704493824	940.739818733	db831ca6f964ee1dfb2e573bcd3fde8fdfe2f90384e4c367ee7854bd56665317
		2 ³⁰	1,073,741,824	1,142,862.273516030	34,497,921.738944600	1,380,861.408987650	1,814.836840484	422cc92c0cc25ca465d033a5a7b1da97cd3ceeb50d7dbca8b143aba1c29ed5bd
Time limit				14,400 seconds	21,600 seconds	14,400 seconds	Unlimited	

Extrapolated (doubling the previous one)

Container size (elements)		Rounds		Execution time (seconds)				Digest (SHA-256)
				std::deque	std::list	std::vector	EntangledList	
2 ²³	8,388,608	—	0	0.000000000	0.000000000	0.000000000	0.000000000	05a5be0dcf77b70615f352ae30eaa40416f025e7a7b1b7ba6ca681bebb299ebf
		2 ⁰	1	0.002791275	0.009090355	0.004716925	0.000007032	05d7fcae5a099f4d9c2d69eec6b0e0e03be34f455e687d6ae0aeb7f100a65f9e
		2 ¹	2	0.004357775	0.015399862	0.009065019	0.000011642	ae8d5d4d2c35510c226da5f2b854dd421438a0abcdf85da600b1a4e30800a1e5
		2 ²	4	0.008298377	0.030483788	0.015984475	0.000019395	4381d53fcac7d10ee36e28b192003f79f57f31c680a1514b3954c4c5aa8ceda7
		2 ³	8	0.020267880	0.077486763	0.026303329	0.000030504	2c3e413e8ae4548a4c3675b03436a2294baac4b993a40776fd498cb3390e56df
		2 ⁴	16	0.037440610	0.139620381	0.048409798	0.000055295	4817e34cee3daef4d04e778abf7544c28f498b7d2b25c00005d694e705d199b8
		2 ⁵	32	0.076195817	0.283894946	0.095212476	0.000096172	cbb7cb0cd33f825f24a7719f9e9b1bc9708a073c773868f8e9e04bb607e257b3
		2 ⁶	64	0.150348888	0.558458793	0.187135018	0.000172198	c1892a8629a38526292378a202480b6a8daf8001c2d32eae0ad61ed457f203b8
		2 ⁷	128	0.305235837	1.129951253	0.375278276	0.000320539	84b9a379cbc3119df08a26cc3093830bdefd62b1c79113cab97a3534c05a71d7
		2 ⁸	256	0.595105000	2.184697560	0.757972819	0.000608459	8f1b16c99cee5c1768b71adc2239f1b69f26174a54a53a27b6f8832b5c073d11
		2 ⁹	512	1.149066991	4.257628535	1.525333252	0.001143259	085c326a59c27e7663c8f119a27660eb4e43941189c918db68a1bf1e956fd14f
		2 ¹⁰	1,024	2.309058959	8.584730583	3.078527577	0.002266382	70783368f8c4471e096ab2269202a7f0c4bd34d20f56367aa220475f62578657
		2 ¹¹	2,048	4.597595287	17.151041654	6.134434370	0.004229267	4ee9796b8521dfc6b0418897e0143b1c853aed9cf1cf4c3279394c1cf30ac3ef
		2 ¹²	4,096	9.227691247	34.691128482	12.281670247	0.007939329	51ae47493b2f2ca6e4d52fed8d96f2652c1b60505e856ec2a9be32d574f7b065
		2 ¹³	8,192	18.440755211	70.103684687	24.433791516	0.015285717	f9286ef8b4b008390fbafd4cef235009785005a8c60e60ee07a26080c9f640e2
		2 ¹⁴	16,384	37.095137155	143.873970326	48.808458408	0.029379285	d09d100004b133d0f6eebf565a66eac8a3f1a5757c38327c536e54831665e50c
		2 ¹⁵	32,768	74.379934663	299.518373335	97.388290564	0.057701638	f158b8eed9d628114c5c69b80a3ef6f54ca06c35b99094abdd17f13483a0455b
		2 ¹⁶	65,536	148.921345170	637.879567882	194.905893531	0.112935819	af82cbbeea663dd981bf579aed3d0117165c02ba9c968bfce3d95469bb0269cc
		2 ¹⁷	131,072	298.252069552	1,346.428127610	390.098057587	0.223296060	bc9e78ea1c456d1ed619d844664fc4d16a6c8dcca384d62379858ea83b599919
		2 ¹⁸	262,144	595.587227655	3,125.610564602	778.763019799	0.443882566	fd18f949ecabf8f699d27d24965e65b92168d0bfa5cbe312d50f3fc3f7d75e72
		2 ¹⁹	524,288	1,188.761318900	8,287.749730379	1,558.720542935	0.887041899	75fd8b7fd3ba80f4215363d0dfd0dd1d6a36508c63e13786a545d8c098dedeab
		2 ²⁰	1,048,576	2,372.430048263	25,049.113957979	3,116.852651850	1.784552037	73090e2712aae4b1b4e94bfd71a0b9489ba7e84a15e2c53013c0317eba0bee52
		2 ²¹	2,097,152	4,739.379017981	50,098.227915958	6,235.774706865	3.624107822	3f87401cb7f961c4d895121f92e070aee805c8ec07f1435d90eace5b458ebc99
		2 ²²	4,194,304	9,475.196290667	100,196.455831916	12,469.601081132	7.437713722	333e2ed4300bc3a7f755149162f0cbf834de9091ced9b3678a378b0d828a2a15
		2 ²³	8,388,608	18,945.104704881	200,392.911663832	24,942.470019975	15.551886715	62143020d3caa5f0a47feb54958c1c4f3f4fd5d7084808eca18a4b5908946b06
		2 ²⁴	16,777,216	37,890.209409762	400,785.823327664	49,884.940039950	32.548980690	510f200039bed46c550853116de27c83d88c53340ab8584ef02afbacb6fe760f
		2 ²⁵	33,554,432	75,780.418819524	801,571.646655328	99,769.880079900	67.263431064	283b8d0c04866a7f1494ba4059be3244aca4774c2a2ec2f64a1700460ab0d6e2
		2 ²⁶	67,108,864	151,560.837639048	1,603,143.293310660	199,539.760159800	137.352920809	6e94cf591794bb5ceb1eebe99e7bf2a323cfeebdb9d237a9d41fc70647fc54aa
		2 ²⁷	134,217,728	303,121.675278096	3,206,286.586621320	399,079.520319600	277.655261852	04c48ae2285e4d738210277dafc2a790575436f98e359c872a8cc0ef16cc13e6
		2 ²⁸	268,435,456	606,243.350556192	6,412,573.173242640	798,159.040639200	558.457065485	dd0f70f7a4f60562cfa9bd249274e3eea68c64c3f17fcc495e2341f613aeaa0
		2 ²⁹	536,870,912	1,212,486.701112380	12,825,146.346485300	1,596,318.081278400	1,120.130252262	741ace34a1d6ae77233455593c51e5d32bc503a4de6ea8aae682dc2e7d5ab0a3
		2 ³⁰	1,073,741,824	2,424,973.402224760	25,650,292.692970600	3,192,636.162556800	2,117.472915132	f5a1416da0ddb1351f555405384f9345e4f86b4dec0368fbfd10b04f3139cfe3
Time limit				14,400 seconds	21,600 seconds	14,400 seconds	Unlimited	

Extrapolated (doubling the previous one)

Container size (elements)		Rounds		Execution time (seconds)				Digest (SHA-256)
				std::deque	std::list	std::vector	EntangledList	
2 ²⁴	16,777,216	—	0	0.000000000	0.000000000	0.000000000	0.000000000	05d806ce90b397223564cea73a8712dbdcd1d27d78701d0aab00212a1706d0e5
		2 ⁰	1	0.005604862	0.021317504	0.003625698	0.000007639	9fa9c7ce180f6e0bedf4b06e86a5aca38a13d896ba18b6b64077e95eebfb85e1
		2 ¹	2	0.010108103	0.039252200	0.006872911	0.000012135	1bb61b169f54532064530780ab2231a4a0f24d67130c4a52daa3edd3155207bb
		2 ²	4	0.019822618	0.074317847	0.020798917	0.000020033	f7e94f3ef5928ba09b8b890981c2bbfd52a5ec3b96989913b7587735990256c1
		2 ³	8	0.036010584	0.132095703	0.039808020	0.000034727	99e381f10228f27aa514938011b0911bbdbbc862cb7680d4cf0912460243e91b
		2 ⁴	16	0.069086072	0.246430370	0.091872903	0.000060864	8bf58231389b016c0a4ddae047dfccaf09d4a0b2276237f644f24cf5a594c5b1
		2 ⁵	32	0.141941561	0.506401089	0.192274155	0.000107740	49b36bca761b083ea2464963aaa5fe9e262d336a0670abb5d48ba61cc730a38d
		2 ⁶	64	0.309930455	1.097632622	0.401054463	0.000203116	45bc415a2fd324542834cdcc260fc544f71f34f805421468794591a3396a62ec
		2 ⁷	128	0.619559175	2.198544040	0.801087116	0.000365763	780b5cfe96cfd83e75042aa58fc3c94278a42ecb9c915f167650e136543f1f9
		2 ⁸	256	1.233690009	4.369394219	1.602865462	0.000678838	5bcaa3a1a9a0f989f7e43e7616b6970d6f229ff3436acc16a9e6bc685fa85bc0
		2 ⁹	512	2.407969303	8.526296197	3.202708001	0.001281704	9eea4c2fc33da836eddb48e96ab9edfc528c5a0cfe585c7102c3ce6dc4d0bf64
		2 ¹⁰	1,024	4.822620232	17.017669172	6.494877202	0.002474150	696cbe8f045a0776fc6c98d8e0472f88f510604c2b44da1d59c8d665ad059559
		2 ¹¹	2,048	9.657971933	34.062119455	13.050910996	0.004723048	b3da4bfe846148adee75a82f37c0ef928cfeee19ac84c83fd4d843edf4915989
		2 ¹²	4,096	19.115327855	67.538846920	25.991963964	0.009065196	daaacbcfb91839d36f093f68654cccc6b33940c4208dd41616df22f3f6a4d76f
		2 ¹³	8,192	38.283770622	136.193648424	52.089459957	0.017632253	5ce4294f4c6aa42f9f06749eed337a66b924a7bd6373ba4eb8d95a05918046f6
		2 ¹⁴	16,384	76.475860537	275.594213553	104.435670344	0.034154333	edd8a45fbe254bd6e5882fc62fd6ea93f221f6ec9ba65444923ec994387692f4
		2 ¹⁵	32,768	152.601904300	562.673131448	208.652925700	0.066809292	de473c81d8e6524ffd9d07446b1e68f58c60d95e25aca49d4ceb5b7142ecd762
		2 ¹⁶	65,536	305.085850512	1,157.938833878	417.140756372	0.131509725	5971d45f8fb5603bdc0ac4ed2900b90a6352017ec4b8df9a0be3ac5385a86eb3
		2 ¹⁷	131,072	603.065441932	2,362.041654063	833.973830486	0.260616188	05e51404ae1b75be50101df46777ac61c5ab33ee8cddf493ae3712c824b0990c
		2 ¹⁸	262,144	1,198.940436830	5,164.724264032	1,668.566496862	0.517398777	935c19e23f16731fbaebb41627233f74074f23754feb05c030dfdd982e10636d
		2 ¹⁹	524,288	2,391.914012382	12,370.899940831	3,337.552958963	1.031295341	a630ee1afb405760c20481aa9f5709aa844352e4be6d5565a11651f118d19099
		2 ²⁰	1,048,576	4,776.463929572	33,255.671852510	6,677.773676667	2.063956301	7ab47e7ce0def5266b094a41b57b776737877f82c37ffe5fbd91c3c32e629446
		2 ²¹	2,097,152	9,546.541425109	66,511.343705020	13,352.376745762	4.152321706	d8bf5e317a652ce9476c7b29f28d5438dff5ba96104f9c1fc9928caa811c187
		2 ²²	4,194,304	19,085.987242702	133,022.687410040	26,704.289364184	8.404091008	49eece3b15d8a7c31423a887e8eb44e3623df33785d196a261a50126f0986374
		2 ²³	8,388,608	38,171.974485404	266,045.374820080	53,408.578728368	17.179064416	b245a4270bcde41c01c2291f5296cde020eb8a31063cfe2491fffa97b5107d0a
		2 ²⁴	16,777,216	76,343.948970808	532,090.749640160	106,817.157456736	35.597033690	8e2a9f33dbb3012ffdd011ecb83fadce64ce77c41b217d94f6aeec67a798c7114
		2 ²⁵	33,554,432	152,687.897941616	1,064,181.499280320	213,634.314913472	73.855332620	9c4e10c63c5389047ec86d3d61f3dc4d27da99c13059059efe9dfe8120f61a7f
		2 ²⁶	67,108,864	305,375.795883232	2,128,362.998560640	427,268.629826944	151.753467507	cb09faede6c5a3ce27a26a78ef1af56f2f2bef1146468e9493dbdee29e4b264e
		2 ²⁷	134,217,728	610,751.591766464	4,256,725.997121280	854,537.259653888	309.041518017	d05ac6e062bf5e94e3e8f6436964975908913f2614cc732a91116fa93cc932e2
		2 ²⁸	268,435,456	1,221,503.183532930	8,513,451.994242560	1,709,074.519307780	624.174170270	a4133d1b7f5fe2f6e196b5b9fc979ae1fbd62ddd3b58dc47a5ae75282665a3b9
		2 ²⁹	536,870,912	2,443,006.367065860	17,026,903.988485100	3,418,149.038615560	1,254.562306702	4a80e40928794ace95fcaa950b0c683e7128de2260470c39635673ad92d1a51e
		2 ³⁰	1,073,741,824	4,886,012.734131720	34,053,807.976970200	6,836,298.077231120	2,425.202960523	0ae7eb95ba40c490c85c50ac3554f1ab5a47a847bc3e5f44e39cf7759581479d
Time limit		14,400 seconds		21,600 seconds	14,400 seconds	Unlimited		

Extrapolated (doubling the previous one)

Container size (elements)		Rounds		Execution time (seconds)				Digest (SHA-256)
				std::deque	std::list	std::vector	EntangledList	
2 ²⁵	33,554,432	—	0	0.000000000	0.000000000	0.000000000	0.000000000	0d557e55c1aab58fe1fc8b2ac75e7c3b95fc8de2533f0b7bc0dd4a75c22d0b15
		2 ⁰	1	0.005178807	0.016534737	0.023447261	0.000008306	9d9b353a120b886161138462b41012319b691c9a2bd842c90301089378310532
		2 ¹	2	0.006252910	0.020500052	0.037116688	0.000014686	32a63d7e522263a7cc96ffac10c9192efff3af099bf2506c1a3b805450b6030b
		2 ²	4	0.023249116	0.081797316	0.076468265	0.000024296	83b2619e4b15dccdb0fd7ca0d20183051a829cefb529b37cf3d5531361bcf0c8
		2 ³	8	0.060904035	0.215396971	0.142694020	0.000040055	47b12497430dc2b31b3603d1eeb56b36f069a2b93d3d4be0cc962c6bfa5f6a1b
		2 ⁴	16	0.141482958	0.494508431	0.242555918	0.000068761	8252cbda5a3bc73e534e071a6b589e0e97028ace0d391feb1285315f71453d0f
		2 ⁵	32	0.292065246	1.036938280	0.470489744	0.000120759	4f7a5c0716e12821dd704adc38e058ffdfb8dcbbab6dbcb915415204b7d0fb065
		2 ⁶	64	0.598788299	2.119596568	0.910736069	0.000226458	0fc10fce372ea84f9558550f88cf2e947a1ad9a3178b4e25031b72639734ab0d
		2 ⁷	128	1.196041110	4.326998668	1.597885838	0.000411832	9bf18665a940833d7b071a93519f9463ef753816347fa97aef66e4ae346dbc13
		2 ⁸	256	2.455108732	8.839066364	3.270203912	0.000767359	bd471055c629c22ef5bcd9c8efcd473fee8185310c29599ca2e6e3755522081
		2 ⁹	512	4.810155386	17.354213801	6.678478944	0.001447549	839c7113bd5a3f5a8d8005f8e27581c0a01e33a22b73ac81c17f0f5fa63f4597
		2 ¹⁰	1,024	9.747205762	35.022082521	13.423543812	0.002823265	959e591dcd672e7e92f5bccd2e168dea32b1ab5bbcb683ba4ed6c3903d6b0aea7
		2 ¹¹	2,048	19.457800928	69.974549475	26.811411888	0.005352235	279a86d659c23364096961e281ba8757b798e7a6df9df7df574556ef72d52ece
		2 ¹²	4,096	38.821145451	139.965774983	53.738544491	0.010255467	9c5f9f97c94ff345f208a52629797df70d83f715c100c1e20cc652507c89e4d6
		2 ¹³	8,192	77.666912055	281.154267136	107.257832957	0.019924533	31b5f7e138d406b60a495bb98e185c92903c8272740edbdd8629b537edee4e90
		2 ¹⁴	16,384	155.159422229	562.627663985	214.950450841	0.038721490	42facd2741f73202bd229abef907b373bc5fb72e9c4468dc69e769e644305ee4
		2 ¹⁵	32,768	308.826203200	1,098.984428990	431.633449300	0.075797421	2f820372fa6579bfddcdceb4c2e3b2e1f5cb9fb93ad35a62e4bf1ed326c9e5ece
		2 ¹⁶	65,536	612.094506464	2,173.485631599	865.560183335	0.149997586	fbfd12c10027d4dca163846df8663e50ea565ecb573d36f3a63f080a841c4c94f
		2 ¹⁷	131,072	1,217.771323924	4,429.386976285	1,732.980738889	0.296813288	5f620328de3661a978e98068a4d1e1c6f8e0376244e37ce9a5f59261876e4c33
		2 ¹⁸	262,144	2,429.425252789	9,360.004447130	3,464.912188111	0.593683453	cde9782d8affccd302c7ef32a7a80902048aa04a94c38cbeaa10e47dbd0619d0
		2 ¹⁹	524,288	4,846.894899010	20,874.960690429	6,931.784699592	1.179284264	6c08808ff003b5232bb7ceacf4793be2095820fd1d9d868e7aea87f6d162b45e
		2 ²⁰	1,048,576	9,687.204606345	50,728.525437540	13,868.185386884	2.355440331	baa6353edf72b7fb7ef450f3e527b76526af6652db5e4a313d523fcecaca70ea1a
		2 ²¹	2,097,152	19,359.825210604	101,457.050875080	27,737.051230947	4.719041545	3b4089b7ba4ac1400dc658a5f8a339d430c98d875b09bcd3f1b33b3f4ab1c919
		2 ²²	4,194,304	38,719.650421208	202,914.101750160	55,474.102461894	9.487260771	2dd7dec811d16c37739b14f9e68979daf3f94c0e3dcf57ad34bad6305fd9428
		2 ²³	8,388,608	77,439.300842416	405,828.203500320	110,948.204923788	19.171622103	07004dc4126a9f60ea49359d272975b4536b9180691a0abee8736af0bdceb642
		2 ²⁴	16,777,216	154,878.601684832	811,656.407000640	221,896.409847576	39.094119637	31b276836188e569005007fb400913e50b39ed59dc849c66d42d9d1ec7ca6a27
		2 ²⁵	33,554,432	309,757.203369664	1,623,312.814001280	443,792.819695152	80.728196895	53ffa5fea3d644ba82d40f71149b54bb99509af4219c106a9a41209cc56eb8ac
		2 ²⁶	67,108,864	619,514.406739328	3,246,625.628002560	887,585.639390304	167.103860284	356cfb4983c7991d5dc4abb597ee9bcc1c497f0cc0b006587b4e5a20428f8204
		2 ²⁷	134,217,728	1,239,028.813478660	6,493,251.256005120	1,775,171.278780610	341.206201783	6f387af3a714f142d7d9289b575b70e71d15cf3ccd3dfefe552cdf8f9621a748
		2 ²⁸	268,435,456	2,478,057.626957320	12,986,502.512010200	3,550,342.557561220	691.980046543	0170cc07a3144b2b4fb4eeef9efbcd8c8904d76118d5e867753d9451957a1766e
		2 ²⁹	536,870,912	4,956,115.253914640	25,973,005.024020400	7,100,685.115122440	1,394.349408788	b01c6c65ff9d7272e10ea30b88fd510568f11416ab5cabf98b4e801d6a7a39be
		2 ³⁰	1,073,741,824	9,912,230.507829280	51,946,010.048040800	14,201,370.230244900	2,748.667410256	d9940bed8356a87c656d98db7964b1a83b6d8d5a07ca0efa72a78653e51101c5
Time limit				14,400 seconds	21,600 seconds	14,400 seconds	Unlimited	

Extrapolated (doubling the previous one)

Container size (elements)		Rounds		Execution time (seconds)				Digest (SHA-256)
				std::deque	std::list	std::vector	EntangledList	
2 ²⁶	67,108,864	—	0	0.000000000	0.000000000	0.000000000	0.000000000	84357d319d594501e000b2abe5f0ec38500ec884584843ed10dcf73ecf03a969
		2 ⁰	1	0.017872695	0.069464540	0.013091965	0.000009035	81f770b82fed2761113c619ef2d3b0cf5b5f77e4213390f0d151d92fdea8b79f
		2 ¹	2	0.035501541	0.137675452	0.052636950	0.000015138	dce5350a227aab1f85335f47bfc4ce66d83f445dfc5aa2247f28f7e2088cff0e
		2 ²	4	0.070339502	0.268979290	0.077113114	0.000024013	a4654780839a0b8d310dcf57882bbb9cf99058b142bb47d6e221cef86aca2b28
		2 ³	8	0.157546158	0.558904297	0.160861520	0.000044039	41f10fe0be7526bbf1f1e86d9fc4ddc72cd71521077e573eec6d653a32cc8179
		2 ⁴	16	0.347934357	1.219232201	0.351278579	0.000074887	9b039dedc756fd699c50ad7d60f44d13e08b936572fdc8c6e9a8d1358d22e6d8
		2 ⁵	32	0.642453119	2.273167600	0.788281194	0.000136799	1d4e81c9362ccd85169158194a74bb18fd0790f94f78fe18a84ff0c542242c3e
		2 ⁶	64	1.229415870	4.296629456	1.612107422	0.000243880	870b18238892170763de763e4fa621975eda8df42fc641c1bb8d90d7940edc65
		2 ⁷	128	2.486324945	8.680836584	3.393809465	0.000468992	41868c74fe99dd44db0a9efd6d10bc41978607c82c76c5e4e65127e6349ed6ea
		2 ⁸	256	4.928548174	17.128520378	7.004529984	0.000862501	b56cfec901e2b4c532908c7ad6d60e81031463afa002fd18fd6921f1f1d8e358
		2 ⁹	512	9.794418939	34.100676416	13.986461848	0.001676882	b773ef4a0764caea6f5fc1be378a4517e85bec231047119c267a9ad0e74710e0
		2 ¹⁰	1,024	19.311505253	67.242420223	27.907297487	0.003121704	f0ec15cd25226a8d8d1333b4e94d2de358610689f2fbaf36f0f114950d7ecf81
		2 ¹¹	2,048	38.687494361	134.787069040	55.557582316	0.006107917	b809a58e35d9f0b9f8f4141adff234c70b9cace81a033f54b43b002881ddd23c
		2 ¹²	4,096	77.360768811	269.688037943	110.574364038	0.011655906	abf258acbb6dfb89755f886c3750255d871b18f533144498d0849e5412131f3d
		2 ¹³	8,192	154.595912925	539.835416069	221.434303573	0.022682961	d4f49783d84d2293cb4970c40fe9e27b40b530de40b65eb3c00ba6a8640f3f5f
		2 ¹⁴	16,384	309.568134184	1,085.545995092	442.515988343	0.044548334	505b9bf6b96ae01b3b86952b10d5af0575650fe5d898854aa6644f327d617ef9
		2 ¹⁵	32,768	619.635243897	2,186.396181265	883.844996296	0.086813384	823b466d4fdea283f682b0c1fd8dd44984572ee3e96cdd870d13635ac09a597b
		2 ¹⁶	65,536	1,234.119026238	4,345.753988847	1,763.583591041	0.169620001	557ff1b9c6a535bd7d914a1bfec722eb78a5f936429a1844ec33f037426fb275
		2 ¹⁷	131,072	2,459.333598570	8,598.841819375	3,528.182006352	0.335410080	9e358eb59f49bb2d61ab2c264d348d6a969c6b86a6b57dd52cde6c03cfe8494e
		2 ¹⁸	262,144	4,910.374784820	17,532.060842936	7,061.230022743	0.665423159	8af5d028fa38749d29c8c1be6b202e5f033ddc2bcbd661db201702634d36c667
		2 ¹⁹	524,288	9,818.156250682	37,127.015280387	14,125.049719462	1.322538015	99087b8c77b787b67d002c8b7920a798d931156213b5f9635cacc0d46f7b6b9a
		2 ²⁰	1,048,576	19,606.482370607	74,254.030560774	28,260.528803638	2.638341062	3dc04423172c28d0c87333915486ea0c6de9fa5b3f6f6bf57219a1a2eb177505
		2 ²¹	2,097,152	39,212.964741214	148,508.061121548	56,521.057607276	5.277589308	575939e6e682dbab1588beda87f01da670a7016ede300821850ddeb737060a7b
		2 ²²	4,194,304	78,425.929482428	297,016.122243096	113,042.115214552	10.570452650	25a239f109afad875f59b367eeeb38c39e5f9f7cbbbb89041c05769544c56640
		2 ²³	8,388,608	156,851.858964856	594,032.244486192	226,084.230429104	21.263890816	54ae93ab0b664bc7bd0e175e7bf6bc10895d60dcd87770520859c1e3343f1ff0
		2 ²⁴	16,777,216	313,703.717929712	1,188,064.488972380	452,168.460858208	43.021120105	9b8b718c92795fd37fda6cb8c96871157e3c0a95e3fa50a16887c87ee06c7ea
		2 ²⁵	33,554,432	627,407.435859424	2,376,128.977944760	904,336.921716416	87.952208644	f9c434b1805651f769e031377b3864584e1ff33e74dbada9a9ff0f8796c9ae4e
		2 ²⁶	67,108,864	1,254,814.871718850	4,752,257.955889520	1,808,673.843432830	182.819879238	8fa84c34e19463a63bb8d49e872b21e55c49f18a7cac9914ac195ce74ad40b57
		2 ²⁷	134,217,728	2,509,629.743437700	9,504,515.911779040	3,617,347.686865660	385.586126237	13595d90fa4c4bb3f716c37862cc48dc5a85f2b56c2aac9307aaf72309b8cab
		2 ²⁸	268,435,456	5,019,259.486875400	19,009,031.823558100	7,234,695.373731320	821.891803665	443658bc8a1c3825890c1bc79b7cd36e103d2a76de42fc147ff1dbc01b9c38ec
		2 ²⁹	536,870,912	10,038,518.973750800	38,018,063.647116200	14,469,390.747462600	1,707.368899758	f00504ae262d7df9c96ef47ae64b87fb895371e01488181de8eb6bda797c1fff
		2 ³⁰	1,073,741,824	20,077,037.947501600	76,036,127.294232400	28,938,781.494925200	3,354.811399999	0e9e4ee6558493e56e06054751ed1cfb8c422757cab643de1994c99ddca8cce7
Time limit				14,400 seconds	21,600 seconds	14,400 seconds	Unlimited	

Extrapolated (doubling the previous one)

Container size (elements)		Rounds		Execution time (seconds)				Digest (SHA-256)
				std::deque	std::list	std::vector	EntangledList	
2 ²⁷	134,217,728	—	0	0.000000000	0.000000000	0.000000000	0.000000000	50f423a8f233efd362855bf1a928ef11beebc72e5eca0470b483f157a403b744
		2 ⁰	1	0.050949660	0.202726803	0.036807146	0.000009909	195e182670ab74f091a4f36ad9adc0d845c7c414294aeac54b4836ed89113294
		2 ¹	2	0.091103639	0.346156574	0.097268568	0.000017053	ad6000b4b9ee6f19635bab8d97f2ef73713868d26f33df6641c4080d9b838ec
		2 ²	4	0.184058481	0.660863780	0.217572831	0.000030819	c3d73e9c5304c42f7c36581fab3b5934b0cca0e0a70601adc05dead6e6bf72f5
		2 ³	8	0.357408014	1.300665431	0.391204177	0.000053299	0e6258c97e9ec1b26428e4eb1f19163d3bdc6fd7ae4754bf212e7afbc3ff5145
		2 ⁴	16	0.667020609	2.456163365	0.799728419	0.000089096	af92a13660c3eff14cfba58fa9d8ef80557f3240e01fff69df14c07bb2ce5d3b
		2 ⁵	32	1.368244808	5.022958942	1.716819784	0.000158467	baf3afd6292a323ac3d0e73b210d4105ff355da51e1b4a859a15c148602bb3eb
		2 ⁶	64	2.767494168	10.030068777	3.338639941	0.000286042	c9c54c6191f63731310bd3dbea3c9b3d3e5d6b4f9edbe9d3301bd60da679537c
		2 ⁷	128	5.125903561	18.450127204	6.951783829	0.000536587	ab82c2aa5eebc414574835031c01d90c7f5e2af215fb38a24dc79b47c5b96e53
		2 ⁸	256	10.147218380	36.544520785	13.890195270	0.001037267	dfc776b5c4bfd42c88d4d3d91aa35d6d1fd69876b067e0cc56d05fc335742cd7
		2 ⁹	512	19.901609084	71.798754303	27.731455475	0.001943916	45646b38aca29b83bc1a4d4e6acf8f628749f2b41461b465f3805795ee96a182
		2 ¹⁰	1,024	40.018727745	143.852901772	55.922405912	0.003677689	c8be13975ae9bfaf922e2ac8b86d2fb75a28e2fb9ee450b830eba7a872d5398f
		2 ¹¹	2,048	79.589184277	286.450167876	111.521598896	0.007029569	c0acc5267244dbfd160fec83fa773c086f79af0c10ce8574d1e17e052298f524
		2 ¹²	4,096	157.105386706	567.037511519	224.057190882	0.013514027	0461bab1158ea1a41f9c6dac398b30c134d77a800d6389aba2d670d7b4ba97df
		2 ¹³	8,192	312.290372899	1,131.262135324	446.457355691	0.026063648	547e3c06bda1e4288ff5926d32b3e6df9fcca9a42fdc3b289571ec02895829dc
		2 ¹⁴	16,384	616.265940389	2,220.004859884	890.839127192	0.050637285	f4a889aa97aade9394bfabb55068c9ade87967fdd6451cf53a527b657a62323a
		2 ¹⁵	32,768	1,221.054811110	4,303.596283370	1,783.975414229	0.101786239	e2be9063b46427b800a1a9b7e742fef9fd94cde29895a2ed894e5b65232ea5ed
		2 ¹⁶	65,536	2,431.935119461	8,401.075196590	3,566.421739443	0.196510233	499b474a7e64fb3af1815c0e1cc34a4c3992446b0cad0bc08c7148da8b1edac8
		2 ¹⁷	131,072	4,855.763568572	16,715.134552816	7,152.921925889	0.384813949	783a2819d16a8fce6852b73d2c5267d786f4aa02a7bbab84a30493ee8ffed17f
		2 ¹⁸	262,144	9,702.461103227	33,823.701451212	14,306.573672995	0.761837718	9a4ecb5942db4cd733bdfdf1df33fe109543762d551ed3db441587511b4cf550
		2 ¹⁹	524,288	19,384.406955881	67,647.402902424	28,623.858777844	1.512836966	cb2a00e458bf836de263b0cb7ec29936ef4a2957bfd1647ba4e5a7778bf7a1fd
		2 ²⁰	1,048,576	38,768.813911762	135,294.805804848	57,247.717555688	3.014292706	a614f29ce41dac02f9aba1bfd86f1befcc92344851c3ed06704835b434ded637
		2 ²¹	2,097,152	77,537.627823524	270,589.611609696	114,495.435111376	6.019765606	73382f711bb5b940eed1ef0f6868f5f8f935523df3fc3bc2c96c1f9d42df1493
		2 ²²	4,194,304	155,075.255647048	541,179.223219392	228,990.870222752	12.046137426	4a5aeafc46d96e4db2217f451aeaa996be527c56aefe04af28eb30738f70d76
		2 ²³	8,388,608	310,150.511294096	1,082,358.446438780	457,981.740445504	24.172941279	36193fb69f097cd6f78dbe35d296274e403884326329fcd5781c8a577f47f366
		2 ²⁴	16,777,216	620,301.022588192	2,164,716.892877560	915,963.480891008	48.647521299	fefaac8479ecdd25214181d7b9c7e86f6f8909953b833a76f1a3133af7d0249a
		2 ²⁵	33,554,432	1,240,602.045176380	4,329,433.785755120	1,831,926.961782020	98.612159044	5ec571570c1595e42560dd3b91e0586ed3b4161d348217d78a1f5720ddc2bf8c
		2 ²⁶	67,108,864	2,481,204.090352760	8,658,867.571510240	3,663,853.923564040	202.506297950	d81e5bdd13a9ef982f4b2bc49cbd9fd3afa9dd183cc67fb755c33413d995b4ed
		2 ²⁷	134,217,728	4,962,408.180705520	17,317,735.143020500	7,327,707.847128080	425.164189354	29a5535d47b41645c6bde5af370e8ffc87f3b030ab477d731e21c5192d917782
		2 ²⁸	268,435,456	9,924,816.361411040	34,635,470.286041000	14,655,415.694256200	915.347158309	45207728554e640865eb1380a0dc9caad43e1af937c617609c6a8d160d5e061d
		2 ²⁹	536,870,912	19,849,632.722822100	69,270,940.572082000	29,310,831.388512400	1,970.458287160	49c67f60881054dff6ec4bb15a5d6cc44bcd2b74139307b1227a9f4226caf08
		2 ³⁰	1,073,741,824	39,699,265.445644200	138,541,881.144164000	58,621,662.777024800	3,896.831524801	6add31da381bd47629337bea3ab766918f465b26b6403fa50be127710d9106e4
Time limit		14,400 seconds		21,600 seconds	14,400 seconds	Unlimited		

Extrapolated (doubling the previous one)

Container size (elements)		Rounds		Execution time (seconds)				Digest (SHA-256)
				std::deque	std::list	std::vector	EntangledList	
2 ²⁸	268,435,456	—	0	0.000000000	0.000000000	0.000000000	0.000000000	fa147b43209be6973fcd9ba03811c37b25eb61c6cf98f063c263efbe2163cfb1
		2 ⁰	1	0.073871682	0.228960283	0.167439693	0.000011443	cb51dbf8bde430ee1755f9f1ecd72c3a3843680f8d9938d4a48604a488e23c99
		2 ¹	2	0.131811000	0.440463337	0.315971126	0.000018960	126d53e7542fcb08b0153622fdd93e339ca9bdc3bd890f31740369db4a7096c
		2 ²	4	0.294013430	1.014112639	0.579023504	0.000032076	ab9fbf18891b591ce9a2bfee370c3025beba557402584273d138f2e30194171a
		2 ³	8	0.676882029	2.340899612	0.961962686	0.000055058	4d470de5ac608a7aa575f86a9fe164523561fb0814b49ba084e66dcfe7a1a70f
		2 ⁴	16	1.384471693	4.705042692	1.852122884	0.000099343	631b3ff9648f68d9e53826cb769d65181bf65b913564233736d8568123cc6fd5
		2 ⁵	32	2.839836987	9.789189814	3.744336087	0.000178401	d1626d32fad44a9203e3f8d71404e37ec38e2c847d951cb97d1e28488c7db535
		2 ⁶	64	5.348650676	18.456679850	7.250571475	0.000330532	687a1369b6fefee60999a4c954ed8fff09ea8d2712d742d146f2c07394d5b698
		2 ⁷	128	10.441552004	36.038414956	13.780476056	0.000624632	c85391be2041c2e1a04176be4931cecb2562cd99707937d97110c8af0b92f64d
		2 ⁸	256	19.633404390	67.607236400	28.188738213	0.001170687	dcee98f2c0b1d25279a7323db56a88f8fb9226cf7c9cd22533bb0aeab9dcfce5
		2 ⁹	512	39.431425156	135.704142059	55.506191031	0.002208244	3ca91d0d1fee8cb2edf6de7f423bc9dea628c4b0f6b5b698f4a0e39ef5375e32
		2 ¹⁰	1,024	78.127308033	268.715946046	111.829106323	0.004192357	4a758d1d30125f78181cd441eaadb0706bd489519620cda24ebcb357a68a1cd2
		2 ¹¹	2,048	158.949005456	546.020988412	225.507562325	0.007906207	aa8da7086cf8c9f817e7b8ef8b865ac8f7080a59644194395defe8594d22c9a7
		2 ¹²	4,096	313.096445535	1,075.334875017	450.375365081	0.015116331	a4c593094e16feebf50d93ca552cdb47e46d7fe3583b8b45f07896cb8f2833a8
		2 ¹³	8,192	621.169595391	2,147.483823519	897.001008547	0.029052876	70dc57b5f2d1f1f983e3f317638642c27b231dbb0e02b36393de63b8b06a2afc
		2 ¹⁴	16,384	1,246.574158671	4,319.069729882	1,794.010954481	0.056432015	ad45146fcaab838e1164ee6fc9a78b8475950b507127c7c8105c46478ebb8872
		2 ¹⁵	32,768	2,479.190969196	8,512.420909492	3,593.802110428	0.110222017	a96603246c2812163732f4ee94afc2eb2e5e31d85987b6b66fcac00ee8d88447
		2 ¹⁶	65,536	4,932.185215530	16,645.742504451	7,200.626330666	0.216372933	af667902dcdb5eccfd99a29b0f97c576f4f102099be6deb329487fc61a024b0
		2 ¹⁷	131,072	9,842.080487146	33,045.265684372	14,377.183835411	0.427084475	b6968180436129466ddf5512b85e00b6eb1c66818cf341732557e043d2157e66
		2 ¹⁸	262,144	19,671.621287523	66,090.531368744	28,771.521991414	0.846762851	5c5f2db213b32401fd1d58cf9cd2501a8fab74eb58e582824107e43a5f5464e4
		2 ¹⁹	524,288	39,343.242575046	132,181.062737488	57,543.043982828	1.684448251	b99f2631cd9c633789a56772b79a64331144a5cab06d97b8cda412d03d24ad4e
		2 ²⁰	1,048,576	78,686.485150092	264,362.125474976	115,086.087965656	3.359257031	adedb93d427e0a732db5c57e160f6f90fec9f9edf71e5d96e8c95047cf724c1a
		2 ²¹	2,097,152	157,372.970300184	528,724.250949952	230,172.175931312	6.711599644	757d1cec98ee3dc054b41129559559bec60ba2d9513c44e5366f93926c2db5c8
		2 ²²	4,194,304	314,745.940600368	1,057,448.501899900	460,344.351862624	13.426476728	236fc254c16b5171654c5b383ff102241bfd82206855dbcb7a9ee0bef0c392c2
		2 ²³	8,388,608	629,491.881200736	2,114,897.003799800	920,688.703725248	26.894199456	9b5f21bd7c7e090cdcbc4ab3c3307dd214a44cf7fa6e58c9799a57758c1873b62
		2 ²⁴	16,777,216	1,258,983.762401470	4,229,794.007599600	1,841,377.407450500	53.952893425	a4764c2c4defd75256f7423a01b82a1a5df72fea4513d8c795ff90132370fee2
		2 ²⁵	33,554,432	2,517,967.524802940	8,459,588.015199200	3,682,754.814901000	108.647688491	fd466ae552cb1da72c40317dba6e39a9cae40d95bd73b96bd3bb30359546567f
		2 ²⁶	67,108,864	5,035,935.049605880	16,919,176.030398400	7,365,509.629802000	220.754801734	98c07b5c5c948ef63662913fe15a0c222c6c49b560e79432b58a90b8ef91835
		2 ²⁷	134,217,728	10,071,870.099211800	33,838,352.060796800	14,731,019.259604000	454.350834236	6eb6b0d86bb4fd29f602cd6acd045b7f11dfe5db4d2f65743d09bd20a0b708cd
		2 ²⁸	268,435,456	20,143,740.198423600	67,676,704.121593600	29,462,038.519208000	960.096964521	b8896ce01cd05c8526a2aa91fc283f50ff9f96eac07f89ed5d9f2700f219525a06
		2 ²⁹	536,870,912	40,287,480.396847200	135,353,408.243187000	58,924,077.038416000	2,088.420098522	3a7fc9d36ef9edcb59586b33daf36963a678fe41c03c8c9731344c154b0ba40
		2 ³⁰	1,073,741,824	80,574,960.793694400	270,706,816.486374000	117,848,154.076832000	4,334.641814953	a83d86ef2799f863f8306409e2819a9dddb728b3798b71569c1abee7c0010763
Time limit				14,400 seconds	21,600 seconds	14,400 seconds	Unlimited	

Extrapolated (doubling the previous one)

Container size (elements)		Rounds		Execution time (seconds)				Digest (SHA-256)
				std::deque	std::list	std::vector	EntangledList	
2 ²⁹	536,870,912	—	0	0.000000000	0.000000000	0.000000000	0.000000000	6e963fc0f56fc6edd9e4e535111cd1943b7b350f8d1436761775b80ecd8ceb44
		2 ⁰	1	0.139690993	0.531850590	0.294498274	0.000012401	2294344ac4c2d4d7d32b12faf28a621254a9a2132da78651b04502aed1a5a7a6
		2 ¹	2	0.203369448	0.726993679	0.691209256	0.000020880	c3cc7740ccf92a85155ea98b50f1c213e9bdd2e322b92917b744951f45b41b46
		2 ²	4	0.492315426	1.836880065	0.903021993	0.000035243	ec0c721fd94dcf13f52e13475936ab875f8b32a6d1bb4171c62564bbff1cdce0
		2 ³	8	1.065014126	3.780722745	1.876373131	0.000063436	8e4d6f579a53e3de76180a39b678e0b483dd89c3ab54bb4bf949e76000bd9e72
		2 ⁴	16	1.938647001	6.933500014	3.640930602	0.000114572	fcf6a65c1004eda65981772b2437b042898e5b8ef4293336489e7073a49b22a3
		2 ⁵	32	4.159417612	14.559869474	7.397744906	0.000212237	2b26db4c269962bda6b81181789aab132c3c1b7e76c4970e5569602c5f7b303f
		2 ⁶	64	8.787099434	30.831889530	14.356742255	0.000382951	5b5c3c34efd855c15fa4d95793bfc4c6f4a6ab73a118206ca11f14d1a51fa015
		2 ⁷	128	17.519749036	61.847511884	27.784996336	0.000701167	c9b6fdc0bc5aedbd0cb5167e335a0e358494b3646d2cb9edaed1841021e05329
		2 ⁸	256	37.642547743	131.741172921	54.413424155	0.001310751	147c87889e465c81e078f2a9484524afa00cf8cbe64bd6033948a2d0c0070088
		2 ⁹	512	76.080882152	265.672478495	111.186136787	0.002439674	3b416631af837f9d001235cc08a04735de608ba6f38ae3b7cd5e7f5d0a42cc75
		2 ¹⁰	1,024	155.107052769	540.223862552	225.563764629	0.004608698	21a865d2ef8d2810f74f2cb4c80ab2e1807ebfd4960adc05266119a7e371c9b5
		2 ¹¹	2,048	307.191562857	1,069.463933222	453.694029349	0.008792772	545effc4ef62d4878cb1804d96e3ede902c6ca51dea3214f7e3816c0e537889e
		2 ¹²	4,096	620.024731605	2,162.473765746	908.369739655	0.016779458	4e98345004df8f86925938a6c333140e0de22c758abcd5e9c8ae13f9e43e6771
		2 ¹³	8,192	1,237.762355672	4,318.871781082	1,812.580691685	0.032296145	8471433b11ed849ccbab6587603b7350332e15ec86a23d12cbaaacdf044debfb6
		2 ¹⁴	16,384	2,466.809551646	8,605.178450530	3,615.165455847	0.062700136	c6dc970fb94b6394fd7397e9ea51b4ccb353d4c798649cdd28771bf380322ef0
		2 ¹⁵	32,768	4,901.172624224	16,788.543807899	7,219.329690304	0.122706390	582fcc2a993d92838b3e9bc933250be866be8a57b5d06cb77c3cc3359ac8a098
		2 ¹⁶	65,536	9,777.513923557	33,029.521224040	14,458.696955435	0.240342323	3e4abee78381ea13fd84bcd926618f879a1e84eb80d8cbe8c9860073b7d7508
		2 ¹⁷	131,072	19,516.184699116	66,059.042448080	28,917.393910870	0.474129531	414842e15f03795d956a0f7fc15228726f1431a55f088cf0e87cd00147bd1737
		2 ¹⁸	262,144	39,032.369398232	132,118.084896160	57,834.787821740	0.939970322	d12a737ca8593150ee274b589acddfe4d74d88f43fdb94dfef666defcb73b209
		2 ¹⁹	524,288	78,064.738796464	264,236.169792320	115,669.575643480	1.873073781	2d193169fa2ec2b9afde4216c5b5d41e0d7b84efb0e51dde406c644b74e778b4
		2 ²⁰	1,048,576	156,129.477592928	528,472.339584640	231,339.151286960	3.734173362	5559eb574c63a24d5cf56c46dbda63f79851fd8fd5b58f4dbecb465a212885f8
		2 ²¹	2,097,152	312,258.955185856	1,056,944.679169280	462,678.302573920	7.458106784	0d8640467d254a0e860c9af806dee1c27f8040e1bcb6ebf221178ca6a4de2b78
		2 ²²	4,194,304	624,517.910371712	2,113,889.358338560	925,356.605147840	14.912694359	4ec37fc4c44a4445e7ad66f4add2281b1e4d77866bc852751d36499bbe342ab2
		2 ²³	8,388,608	1,249,035.820743420	4,227,778.716677120	1,850,713.210295680	29.842594711	ae3bd13ce02f3fe4ea7a58f0b60bb55fbcd38c312aaf1e4952c3825232a4b6b3
		2 ²⁴	16,777,216	2,498,071.641486840	8,455,557.433354240	3,701,426.420591360	59.761022158	6139e9fa28a6f58bb2e049943a42e817d5c7620fd8884bf059edda751c380bb5
		2 ²⁵	33,554,432	4,996,143.282973680	16,911,114.866708500	7,402,852.841182720	119.931812369	0cba4236f27e01e3ec287c1cf38908c11f354247ee72172333e14f478571e628
		2 ²⁶	67,108,864	9,992,286.565947360	33,822,229.733417000	14,805,705.682365400	241.571947871	3d479c8448d350eeb38330d59c4e8f49d4e6ae64ce58fb6c48293ca8fd68169a
		2 ²⁷	134,217,728	19,984,573.131894700	67,644,459.466834000	29,611,411.364730800	490.062511658	f26c7590f678ca24398300020702e2e330988ccbf3d4287f39190d6f8893f22c
		2 ²⁸	268,435,456	39,969,146.263789400	135,288,918.933668000	59,222,822.729461600	1,008.333555917	ea50ab8dec63e28a7076850ff86abe1dbcd4c0315e37e696a42ab74eee69e995
		2 ²⁹	536,870,912	79,938,292.527578800	270,577,837.867336000	118,445,645.458923000	2,122.790609294	ab1e1f75b5942e5751549bc8dd3102cf3746a913f4cb1daaa01c382b3d9e6f74
		2 ³⁰	1,073,741,824	159,876,585.055158000	541,155,675.734672000	236,891,290.917846000	4,493.790655296	850ea6380eec6b1383bdf10e9549738c7127362090210f30fffee752dbe67bb4
Time limit				14,400 seconds	21,600 seconds	14,400 seconds	Unlimited	

Extrapolated (doubling the previous one)

Container size (elements)		Rounds		Execution time (seconds)				Digest (SHA-256)
				std::deque	std::list	std::vector	EntangledList	
2 ³⁰	1,073,741,824	—	0	0.000000000	0.000000000	0.000000000	0.000000000	e344e0383d9ff6e2c00825ec3c463c554e2c275115ebae8fe4830af7068eb1ca
		2 ⁰	1	0.254095024	0.934591237	0.179437065	0.000012282	c473e27bc5a254cd2dc84469c2fb9e4c288d60655b9afa82a75850342e0391a1
		2 ¹	2	0.537413120	1.982401068	0.380970629	0.000021928	76a69c57bf5060d29530fbb5032d2fe10a5b8150f4beb266c8462e8f46c0bd1c
		2 ²	4	1.013027214	3.611589105	1.627412950	0.000038132	abbfc6c2a7c1a0ac92ebecf4ea4ff6191d8d0783a6c3155d9bbafc264fa6efc8
		2 ³	8	2.114713132	7.747094152	2.804705098	0.000065941	d53a714f25eeb779ba774bacc32268695cf167aa3aadf58ca261f14a2e64c3cc
		2 ⁴	16	4.942792012	17.556592214	6.209270517	0.000120045	afb2dc8d49875e84b45022e602336657703a8d56cbc70e3d233361fe791df4be
		2 ⁵	32	9.865976000	34.242156009	13.414791036	0.000221664	1890b3ac74bc8d8c680f63eb50dbbd91175b1abbd5632032fa9a493c5a5ff6df
		2 ⁶	64	18.268711481	63.756616169	27.244432635	0.000412886	236e7ea5de71a89227e65f186aa5bed0ff754453df6c06e432a908300edce680
		2 ⁷	128	37.698392452	130.924474722	55.062247285	0.000765391	28742c4957e29d67bfaaa6c86f47d2f6c2dc3147600904933508b9aa954c1d7e
		2 ⁸	256	76.299982493	264.888863970	108.884161283	0.001433866	4bdf45b713cce429993b761240b0d4ad75438d2e2ad3ef94cb9134e9b1ad8030
		2 ⁹	512	153.584375696	531.787600579	218.623331100	0.002695392	89f47f41b7a9a14a5f2b355dad03d6cdf79a5b26b9d50ad0fa1a2ee6ed7c6740
		2 ¹⁰	1,024	306.318632633	1,055.582525620	448.608061987	0.005108170	12f1b1ece61ec828f7a26af75c09b6793bfb73686050e6359d74c15a57a482b
		2 ¹¹	2,048	611.278337873	2,105.440443390	902.458957656	0.009688854	0fd791678bbab3ca6e1ef1aa54bd340e24684fed6e67a4db1480302750e7a2bc
		2 ¹²	4,096	1,230.749619260	4,234.244438947	1,812.918076667	0.018425136	97c9dd781a58a7a7bc2f9fe465e4f5cb080408812d210135bbc27316a85c4e0e
		2 ¹³	8,192	2,497.621342752	8,593.107805913	3,628.583904956	0.035244964	4d69c8f67f2b49423772fb576e93de23f347860e10001491b1c68e8b6376e548
		2 ¹⁴	16,384	4,994.489936257	17,114.517503864	7,259.530405298	0.067769214	bdfc97ec41997a2815ef26f3886daad34116070eab4fc201358c43d303cdee5c
		2 ¹⁵	32,768	9,927.167359713	33,256.297882582	14,513.111522524	0.131638817	ba36a19f300ce7a53257f5c2d3fbb6957ffd94a57e139f640be758a874ecd080
		2 ¹⁶	65,536	19,841.393600156	66,512.595765164	29,026.223045048	0.257909132	2b616d0982d9e541a11835736fa33319ad695095e131eeba54fd0fb6a39d7bd3
		2 ¹⁷	131,072	39,682.787200312	133,025.191530328	58,052.446090096	0.508724819	86152688952dd06421d3c8b762b2d1ff2f97a660aa719bbdbc8f1d89c8400f63
		2 ¹⁸	262,144	79,365.574400624	266,050.383060656	116,104.892180192	1.009442589	0a07f16ab58866042011cd20ec902cfd43f5a315a7a96ef854b8244c6dbbdb12
		2 ¹⁹	524,288	158,731.148801248	532,100.766121312	232,209.784360384	2.008380869	bc9edec1ac1281cc40f8f9d7f64e12029ef4e819c2f900cccd80392d1891fbce
		2 ²⁰	1,048,576	317,462.297602496	1,064,201.532242620	464,419.568720768	4.002551548	29dde76acfa9f867296815bd86a67798cfca285d630627bd0bc9399c71eb799
		2 ²¹	2,097,152	634,924.595204992	2,128,403.064485240	928,839.137441536	7.992617282	24aef3e5aa3dd2c86dbe8ca2abf523fe5c47f242a39b7bb472307c31f94e61f9
		2 ²²	4,194,304	1,269,849.190409980	4,256,806.128970480	1,857,678.274883070	15.974977102	ba33d558b0d7da9b62c2daeb0d328686cd1dc73c56dbb2f0fd67c69889ba86c7
		2 ²³	8,388,608	2,539,698.380819960	8,513,612.257940960	3,715,356.549766140	31.970221829	4f64ee3192d2183353d8640877f0580f334ef534fe8b4a8dda5932754357bda0
		2 ²⁴	16,777,216	5,079,396.761639920	17,027,224.515881900	7,430,713.099532280	63.991629210	9ed43b45fe02ac466c7221cfddd4df297cb705642a8321671e76083e9ab5fdb1
		2 ²⁵	33,554,432	10,158,793.523279800	34,054,449.031763800	14,861,426.199064600	128.241151146	b4d8aeecca24937e7672c00b62645d94827c4fe27ad4a8137b7acf37028d8a887
		2 ²⁶	67,108,864	20,317,587.046559600	68,108,898.063527600	29,722,852.398129200	257.328519631	d5ecf868f7ff584023ed29fafa2d43d82424015efef3438e31e5ade483659c58
		2 ²⁷	134,217,728	40,635,174.093119200	136,217,796.127055000	59,445,704.796258400	517.952215087	9be90db91516f73cc7a1cea6ba189f505d1fd54a1a7e0bacc302abe3c1d9ad7
		2 ²⁸	268,435,456	81,270,348.186238400	272,435,592.254110000	118,891,409.592517000	1,048.522899012	2aa033483f4c9327b2dfa02e301206609384e937e5185b09f78c198328aece56
		2 ²⁹	536,870,912	162,540,696.372477000	544,871,184.508220000	237,782,819.185034000	2,146.969491304	a6aa2c4242b1266331d0886008646dccbb33ae12e6bf0d6d5b7b5dc47125b417
		2 ³⁰	1,073,741,824	325,081,392.744954000	1,089,742,369.016440000	475,565,638.370068000	4,482.883877535	1aa3e6bc0c640f538313b207531c0854b77c60692a66a68aa8c1463398537ac1
Time limit				14,400 seconds	21,600 seconds	14,400 seconds	Unlimited	

Extrapolated (doubling the previous one)

Hardware and software used in “Basic” benchmark

Hardware	Model	OVH Advance-1 Gen 2 (bare metal)	
	Processor	Intel® Xeon® E-2386G - 6 cores / 12 threads, 3.5 GHz base / 5.1 GHz turbo	
	Memory	128 GB DDR4-3200 ECC	
Software	Operating system	Red Hat Enterprise Linux release 9.4 (kernel 5.14.0-427.13.1)	
	IDE	Qt Creator 14.0.1 (Qt 6.7.3)	
	Compilers	Clang 18.1.8 (Red Hat 18.1.8-3); GCC 11.5.0 (Red Hat 11.5.0-2)	
System-specific configurations		vm.dirty_background_ratio	100
		vm.dirty_ratio	100
		vm.overcommit_memory	1
		vm.swappiness	0