Source

size	allocate(Enum	allocate(std::set<int>)	allocate(std::ma	clear(EnumSe	clear(std::set<	clear(std::map<int, bc	destruct(EnumSet<int>
0	0	0	0	0	0	0	0
100	0	0	0	0	0	0	0
200	0	0	0	0	0	0	0
300	0	0	0	0	0	0	0
400	0	0	0	0	0	0	0
500	0	0.0020013	0.0010006	0	0	0	0
600	0	0.0020013	0.0010006	0	0	0	0
700	0.0010011	0.0020013	0.0010006	0	0	0	0
800	0.0010011	0.0020013	0.0020018	0	0	0	0
900	0.0010011	0.0030019	0.0030031	0	0	0	0
1000	0.0010011	0.0030019	0.0030031	0	0	0	0.0030005
1100	0.0010011	0.0030019	0.0030031	0	0	0	0.0030005
1200	0.0010011	0.0030019	0.0030031	0	0	0	0.0030005
1300	0.0010011	0.0060058	0.0040042	0	0	0	0.0040007
1400	0.0010011	0.0060058	0.0050051	0	0	0	0.0040007
1500	0.0010011	0.0070059	0.0060065	0	0	0	0.0050011
1600	0.0010011	0.0070059	0.0070076	0	0	0	0.0050011
1700	0.0010011	0.0070059	0.0070076	0	0.0010009	0	0.0050011
1800	0.0020013	0.0080063	0.0070076	0	0	0	0.0060008
1900	0.0020013	0.0100091	0.0080078	0	0	0	0.0060008
2000	0.0020013	0.0140126	0.0080078	0	0	0	0.0070016
2100	0.0020013	0.0150132	0.0090086	0	0	0	0.0070016
2200	0.0020013	0.0150132	0.0090086	0	0	0	0.0070016
2300	0.0020013	0.0160139	0.0090086	0	0	0	0.0070016
2400	0.0030019	0.0170145	0.0100095	0	0	0	0.0070016
2500	0.0030019	0.0170145	0.0100095	0	0	0	0.0070016
2600	0.0030019	0.0170145	0.0110102	0	0	0	0.0070016
2700	0.0030019	0.0170145	0.0110102	0	0	0.0010006	0.0070016
2800	0.0030019	0.0170145	0.0110102	0	0	0	0.0070016
2900	0.0030019	0.0180156	0.0110102	0	0	0	0.0070016
3000	0.0030019	0.0190167	0.0110102	0	0	0	0.0080018
3100	0.0030019	0.0210185	0.0110102	0	0	0	0.0080018
3200	0.0030019	0.0230193	0.0120108	0	0	0	0.0080018
3300	0.0030019	0.0240202	0.0120108	0	0	0	0.009002
3400	0.0030019	0.0240202	0.0120108	0	0	0	0.009002
3500	0.0030019	0.0240202	0.0120108	0	0	0	0.009002

Source

3600	0.0030019	0.0250206	0.0130119	0	0	0	0.009002
3700	0.0030019	0.026022	0.0130119	0	0	0	0.0100026
3800	0.0030019	0.026022	0.0140121	0	0	0	0.0100026
3900	0.0030019	0.026022	0.0150125	0	0	0	0.0100026
4000	0.0030019	0.0270221	0.0150125	0	0	0.0010011	0.0100026
4100	0.0040028	0.0280225	0.0150125	0	0.0010014	0.0010014	0.0120041
4200	0.0040028	0.0280225	0.0180149	0	0	0	0.0120041
4300	0.0040028	0.0290229	0.0190153	0	0.0010011	0	0.0120041
4400	0.0040028	0.0300231	0.0190153	0	0	0.0010006	0.0120041
4500	0.0050035	0.0330248	0.0190153	0	0	0	0.0120041
4600	0.0050035	0.0350266	0.0190153	0	0	0	0.0130048
4700	0.0060036	0.0360277	0.0190153	0	0	0	0.0130048
4800	0.0060036	0.0380287	0.0190153	0	0	0	0.0140054
4900	0.0060036	0.0390291	0.0190153	0	0	0	0.0140054

Source

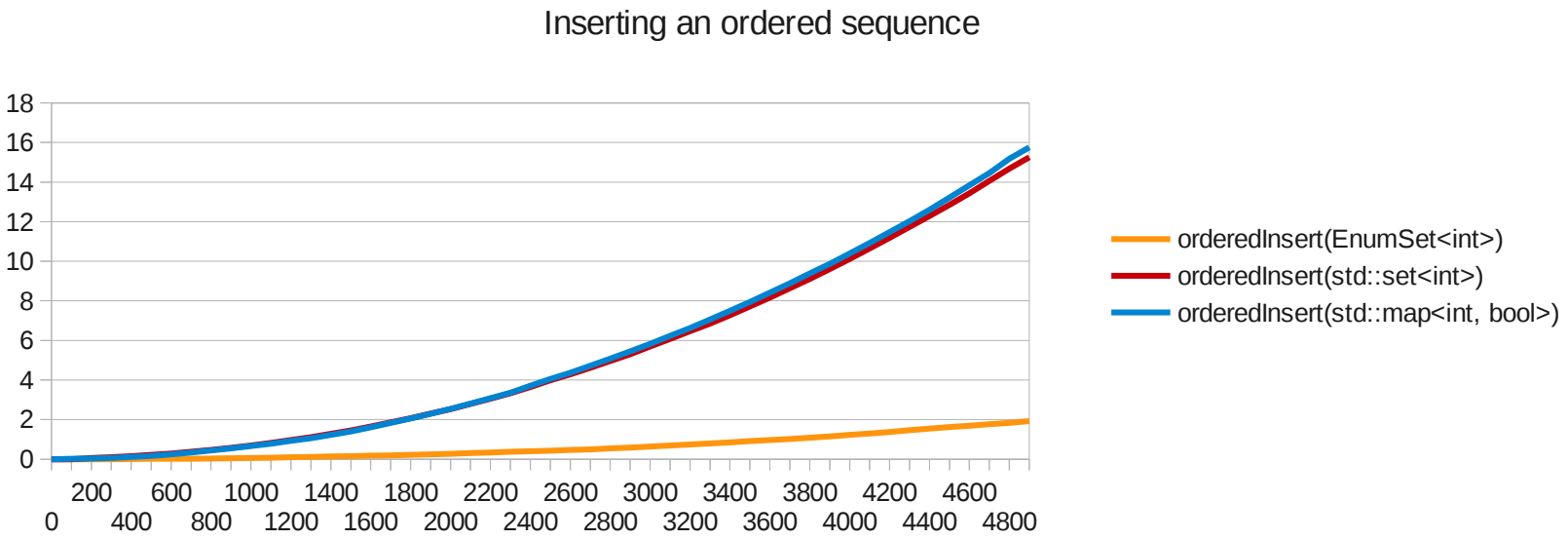
destruct(std::s	destruct(std::n	orderedInsert(EnumSet<ir	orderedInsert(std::set<in	orderedInsert(std::map<	randomGet(EnumSet<	randomGet(std::set<
0	0	0	0	0	0	0
0.0156267	0	0	0	0.0156248	0	0
0.0156267	0	0	0.0625024	0.0312505	0	0
0.0206318	0.0060034	0	0.0975316	0.0632706	0	0
0.0246358	0.0150104	0.0070057	0.1505682	0.1123073	0	0
0.0326419	0.0250175	0.0140109	0.2116218	0.1663437	0	0
0.0476556	0.0360236	0.0210154	0.2806711	0.2474036	0	0
0.0626674	0.046031	0.0240178	0.3677289	0.3344634	0	0
0.0866802	0.0660441	0.032023	0.4687996	0.4355321	0	0
0.1046934	0.0880592	0.0440309	0.572865	0.5406034	0	0
0.1247089	0.1100767	0.0550385	0.6899345	0.6576793	0	0
0.1527321	0.135092	0.0740478	0.8220291	0.7837651	0	0
0.1857584	0.167114	0.0910594	0.9601166	0.9218557	0	0
0.2207804	0.1901293	0.1140745	1.1102157	1.0529423	0	0
0.2518027	0.228157	0.1310868	1.2773461	1.2250483	0	0
0.2828209	0.2681863	0.1490974	1.4494956	1.4031653	0	0
0.3228457	0.303206	0.1721184	1.6476285	1.6063077	0	0
0.3618701	0.3352275	0.1941354	1.859766	1.826442	0	0
0.3978953	0.3772576	0.2171564	2.072917	2.0505903	0	0.0010004
0.4519272	0.4172847	0.2431695	2.3020697	2.2857409	0	0
0.5059574	0.4652994	0.2691872	2.5312231	2.5349104	0	0
0.5589914	0.5163331	0.3032091	2.7883687	2.7970774	0	0
0.614032	0.567364	0.3342292	3.0465353	3.0732558	0	0
0.6630666	0.621397	0.3652437	3.3327217	3.3604548	0	0
0.7181056	0.6744292	0.398268	3.6419241	3.7036843	0	0
0.7551293	0.751483	0.4282851	3.9891567	4.0449109	0	0
0.8081663	0.8105209	0.4613054	4.2873592	4.369128	0	0
0.862191	0.8715549	0.4963276	4.6186018	4.7203596	0	0
0.9312367	0.9375975	0.5403411	4.9588311	5.0775948	0	0.0010011
0.9912753	1.0056376	0.5803621	5.3060589	5.4458451	0	0
1.0573151	1.0666685	0.6333959	5.6863201	5.8231182	0	0
1.1303661	1.1297085	0.6894374	6.07057	6.2293715	0	0
1.1864054	1.2017579	0.7374666	6.4697793	6.6305952	0	0
1.274467	1.274802	0.7925031	6.8530023	7.0528815	0	0
1.3425078	1.3398464	0.8495438	7.2742901	7.4922225	0	0.0010004
1.4155502	1.4148796	0.9075849	7.7085917	7.944557	0	0.0010004

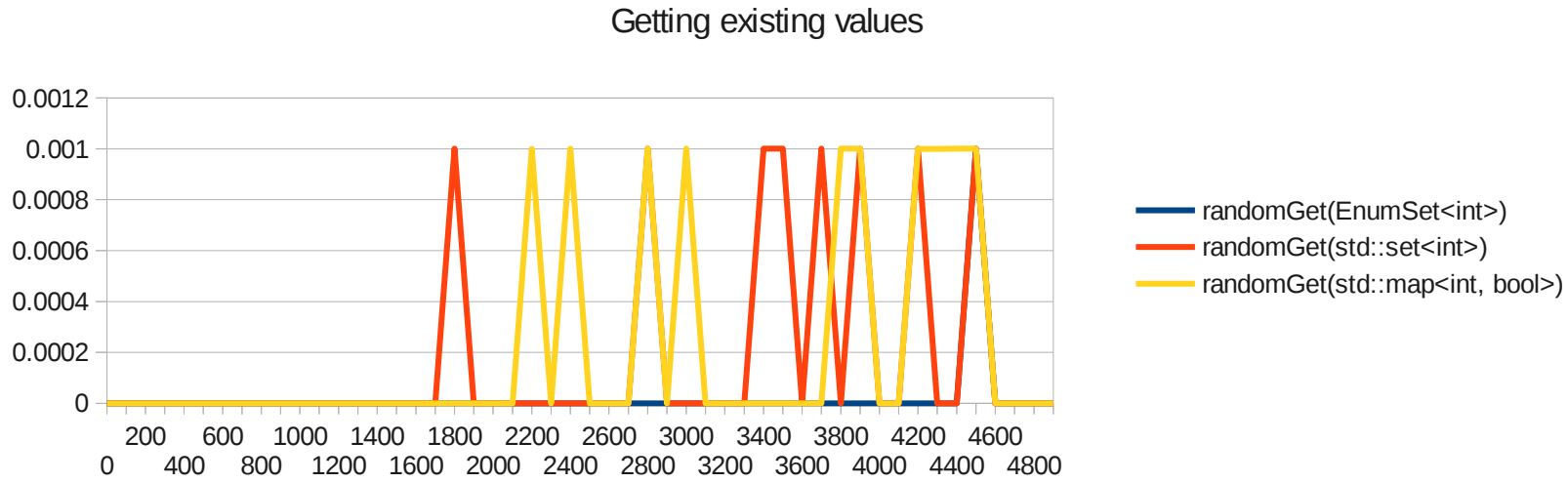
1.483592	1.4879234	0.9596238	8.1658986	8.4088581	0	0
1.5576375	1.5809743	1.0146613	8.6342058	8.8841817	0	0.0010006
1.6466949	1.6660199	1.0816991	9.1055086	9.3774998	0	0
1.7297566	1.7600844	1.1457429	9.6048286	9.8728411	0	0.0010009
1.8138118	1.8551581	1.2257941	10.1141958	10.3931806	0	0
1.9028866	1.938215	1.2928367	10.644582	10.9215426	0	0
1.9899414	2.0352743	1.3738942	11.1839552	11.4669309	0	0.0010006
2.078001	2.138344	1.4619594	11.7333157	12.022296	0	0
2.1790686	2.2334049	1.5420136	12.2816689	12.6046987	0	0
2.2771301	2.3284738	1.6190727	12.8540735	13.2260995	0.0010006	0.0010011
2.3861985	2.4215281	1.6831155	13.4374914	13.8354845	0	0
2.5032685	2.5205936	1.7631676	14.0538759	14.4538898	0	0
2.5903211	2.5766356	1.833214	14.6792979	15.1753712	0	0
2.6973934	2.6997173	1.9282768	15.259685	15.7507589	0	0

Source

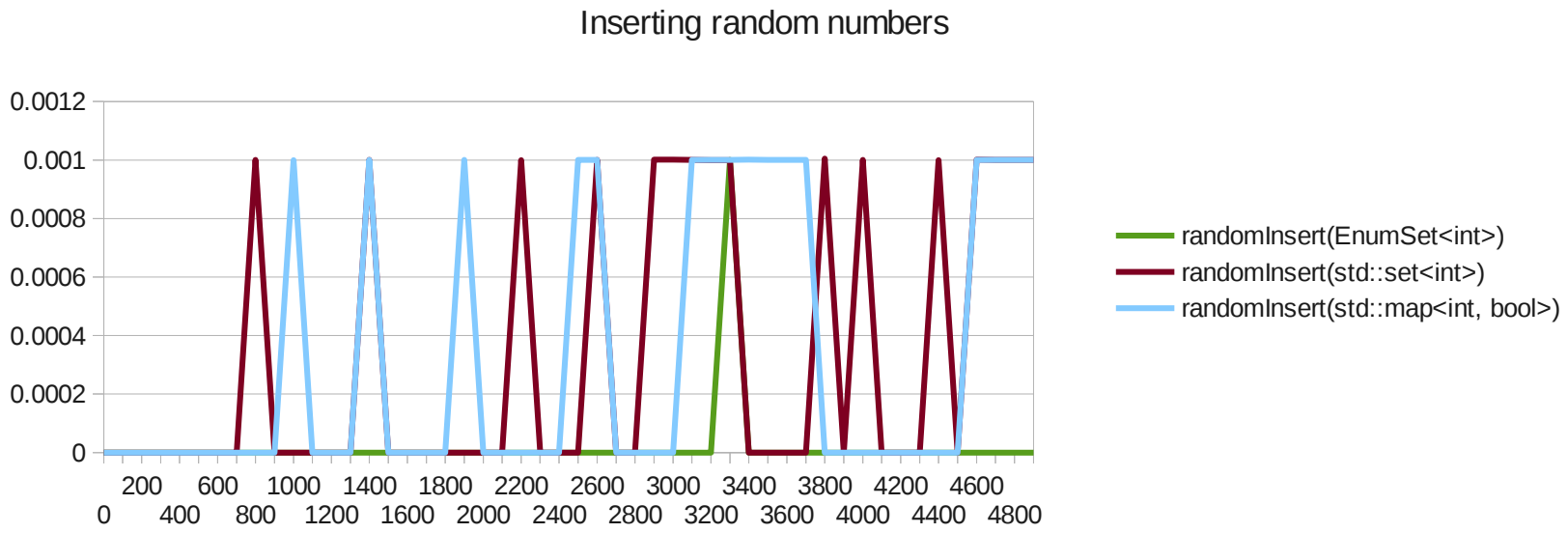
randomGet(std::ma	randomInsert(Enum	randomInsert(std::s	randomInsert(std::map<int, bool>)
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0.0010006	0
0	0	0	0
0	0	0	0.0010002
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0.0010004	0.0010006
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0.0010006
0	0	0	0
0	0	0	0
0.0010002	0	0.0010002	0
0	0	0	0
0.0010009	0	0	0
0	0	0	0.0010006
0	0	0.0010006	0.0010006
0	0	0	0
0.0010006	0	0	0
0	0	0.0010011	0
0.0010006	0	0.0010011	0
0	0	0.0010006	0.0010006
0	0	0.0010002	0.0010006
0	0.0010006	0.0009995	0.0010006
0	0	0	0.0010014
0	0	0	0.0010006

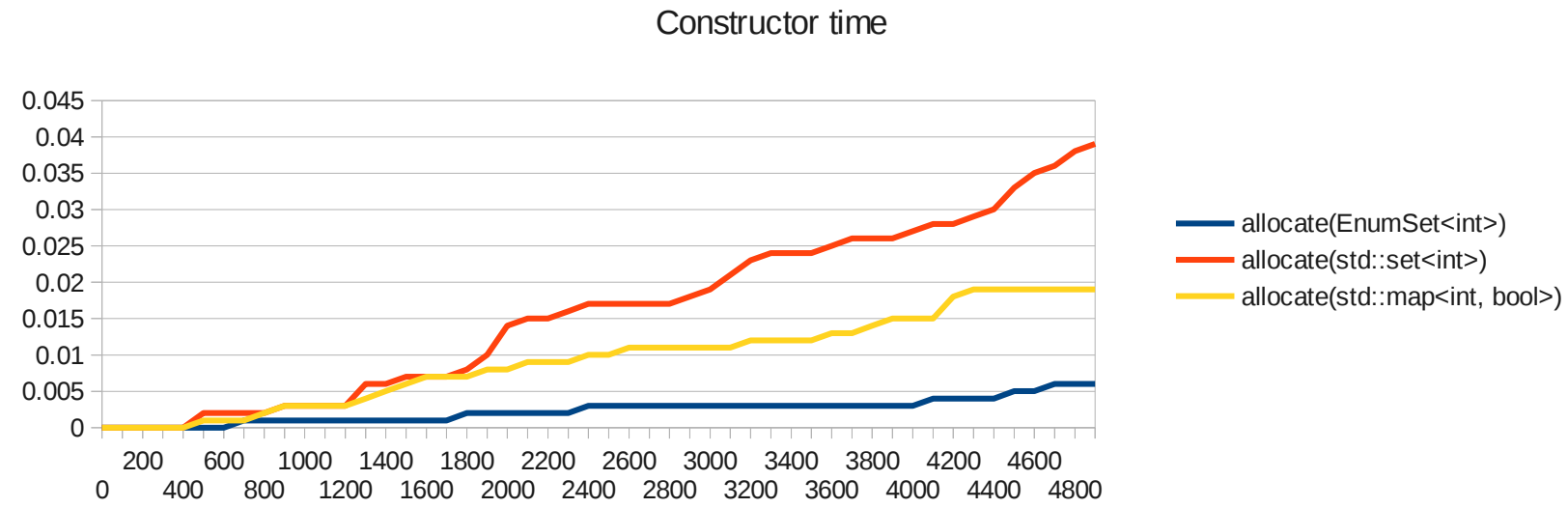
0	0	0	0.0010006
0	0	0	0.0010009
0.0010006	0	0.0010049	0
0.0010004	0	0	0
0	0	0.0010006	0
0	0	0	0
0.0010002	0	0	0
0.0010002	0	0	0
0.0010009	0	0.0010002	0
0.0010006	0	0	0
0	0	0.0010011	0.0010004
0	0	0.0010006	0.0010009
0	0	0.0010006	0.0010006
0	0	0.0010009	0.0010006

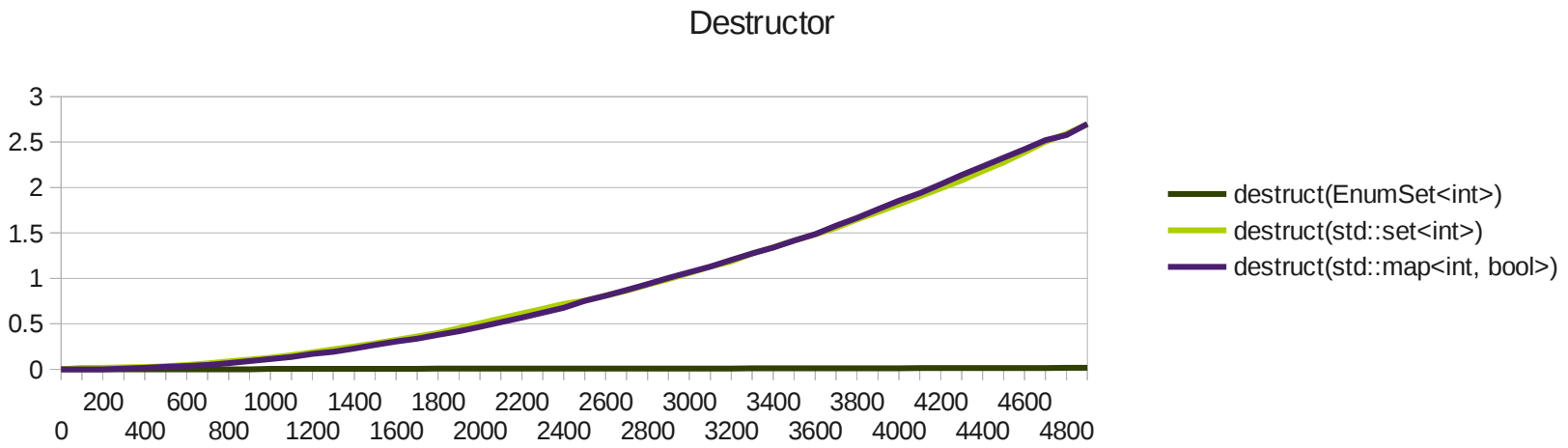

Inserting an ordered sequence
18
16
14
12
10
8
6
4
2
0
0 200 400 600 800 1000 1200 1400 1600 1800 2000 2200 2400 2600 2800 3000 3200 3400 3600 3800 4000 4200 4400 4600 4800
orderedInsert(EnumSet<int>)
orderedInsert(std::set<int>)
orderedInsert(std::map<int, bool>)

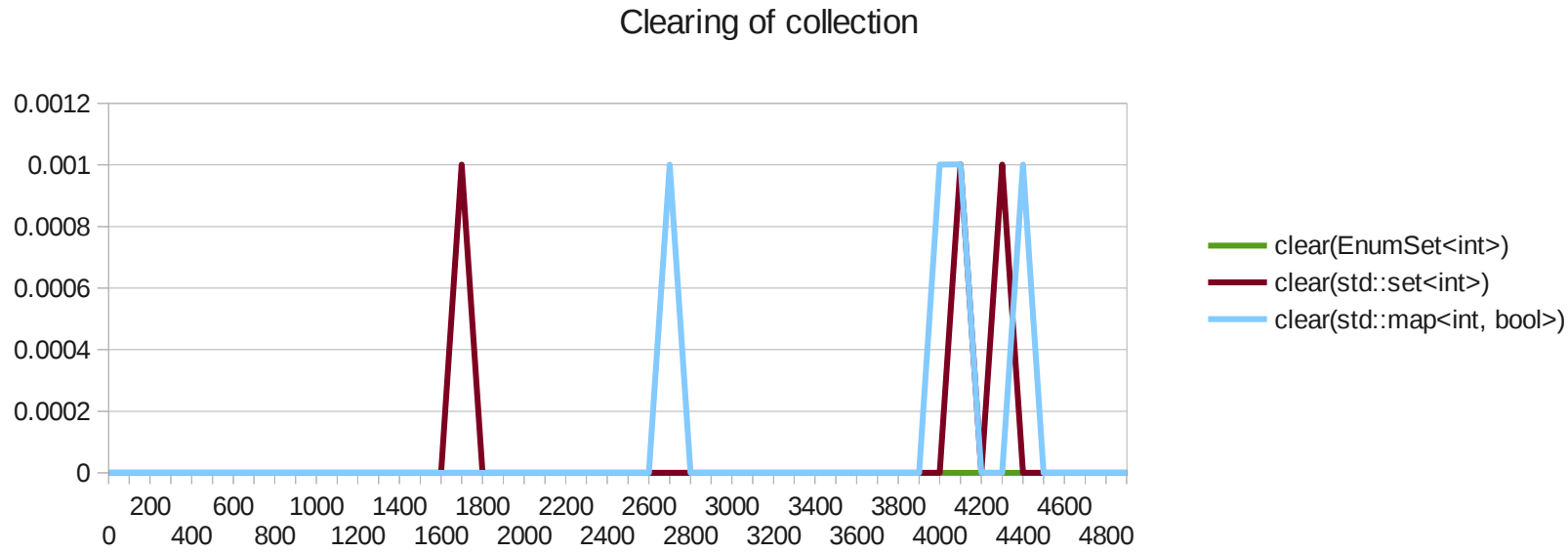

Getting existing values
0.0012
0.001
0.0008
0.0006
0.0004
0.0002
0
0 200 400 600 800 1000 1200 1400 1600 1800 2000 2200 2400 2600 2800 3000 3200 3400 3600 3800 4000 4200 4400 4600 4800
randomGet(EnumSet<int>)
randomGet(std::set<int>)
randomGet(std::map<int, bool>)

Graph


Inserting random numbers
0.0012
0.001
0.0008
0.0006
0.0004
0.0002
0
0 200 400 600 800 1000 1200 1400 1600 1800 2000 2200 2400 2600 2800 3000 3200 3400 3600 3800 4000 4200 4400 4600 4800
randomInsert(EnumSet<int>)
randomInsert(std::set<int>)
randomInsert(std::map<int, bool>)


Constructor time
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
0 200 400 600 800 1000 1200 1400 1600 1800 2000 2200 2400 2600 2800 3000 3200 3400 3600 3800 4000 4200 4400 4600 4800
allocate(EnumSet<int>)
allocate(std::set<int>)
allocate(std::map<int, bool>)


Destructor
3
2.5
2
1.5
1
0.5
0
0 200 400 600 800 1000 1200 1400 1600 1800 2000 2200 2400 2600 2800 3000 3200 3400 3600 3800 4000 4200 4400 4600 4800
destruct(EnumSet<int>)
destruct(std::set<int>)
destruct(std::map<int, bool>)


Clearing of collection
0.0012
0.001
0.0008
0.0006
0.0004
0.0002
0
0 200 400 600 800 1000 1200 1400 1600 1800 2000 2200 2400 2600 2800 3000 3200 3400 3600 3800 4000 4200 4400 4600 4800
clear(EnumSet<int>)
clear(std::set<int>)
clear(std::map<int, bool>)