

S2 Table. Summary statement of sequencing parameters

HOPE ID	Raw read	Total Read	Filtered Ratio	Mean Read Size	Target Size	Mapped read	Mapped read ratio	Duplication removed reads	Duplication ratio	Mapped Bases	On target base	On target ratio	Mean depth over target region	Uncovered over target	100x~ over target ratio
1	3154588	2453370	0.81456	122.696	188384	2414317	0.80159	1961406	0.18759	2.6E+08	1E+08	37.98%	529.116	0.27%	95.55%
2	3312640	2474552	0.78961	118.921	188384	2431113	0.77575	2040112	0.16083	2.7E+08	1E+08	37.53%	536.492	0.20%	95.00%
3	3165572	2440700	0.81293	122.435	188384	2385073	0.7944	2042144	0.14378	2.7E+08	9.2E+07	33.77%	486.255	0.24%	94.29%
4	3137908	2379668	0.79362	119.546	188384	2338988	0.78005	1909711	0.18353	2.5E+08	9.3E+07	36.53%	492.732	0.37%	2.34%
5	3026914	2409428	0.83726	126.096	188384	2364125	0.82152	2063824	0.12702	2.8E+08	9.5E+07	34.27%	504.773	0.31%	94.67%
6	2873618	2258670	0.82939	124.901	188384	2225805	0.81732	1713601	0.23012	2.3E+08	8.8E+07	38.06%	465.259	0.48%	94.40%
7	3469252	2571974	0.78002	117.462	188384	2527373	0.7665	1953228	0.22717	2.6E+08	9.7E+07	37.64%	515.004	0.30%	95.02%
8	3830932	2682164	0.74769	112.544	188384	2631193	0.73348	1970009	0.25129	2.6E+08	9.4E+07	36.28%	497.655	0.17%	94.94%
9	3509060	2495520	0.75145	113.162	188384	2447139	0.73688	1902696	0.22248	2.5E+08	9E+07	36.28%	479.535	0.26%	94.82%
10	3257140	2383068	0.77654	116.929	188384	2347806	0.76505	1743323	0.25747	2.3E+08	9.1E+07	39.71%	484.304	0.33%	95.04%
11	3066778	2406282	0.83226	125.301	188384	2367951	0.819	1721468	0.27301	2.3E+08	8.8E+07	38.10%	468.252	0.32%	94.75%
12	3355746	2540414	0.79553	119.807	188384	2496934	0.78191	1797113	0.28027	2.4E+08	8.9E+07	37.18%	472.178	0.31%	94.81%
13	3289650	2425232	0.78109	117.602	188384	2384715	0.76804	1728237	0.27529	2.3E+08	8.8E+07	38.31%	465.645	0.31%	95.21%
14	3227158	2318932	0.76134	114.644	188384	2276449	0.7474	1667589	0.26746	2.2E+08	8.4E+07	38.42%	444.083	0.32%	94.28%
15	3386876	2602550	0.80421	121.137	188384	2554574	0.78938	2184280	0.14495	2.9E+08	1.1E+08	36.87%	569.868	0.27%	94.39%
16	3450922	2686094	0.82294	123.906	188384	2645037	0.81036	1913845	0.27644	2.6E+08	9.8E+07	38.49%	522.057	0.24%	95.22%
17	3827664	3005348	0.82373	124.071	188384	2960083	0.81132	2265198	0.23475	3E+08	1.1E+08	37.57%	605.733	0.21%	94.50%
18	3480818	2563884	0.77862	117.269	188384	2520526	0.76546	2032260	0.19372	2.7E+08	1E+08	38.28%	544.217	0.29%	94.55%
19	3533310	2765344	0.82432	124.15	188384	2722781	0.81163	2129904	0.21775	2.9E+08	1.1E+08	38.51%	582.616	0.21%	94.68%
20	3438896	2679162	0.81462	122.711	188384	2635960	0.80148	1963097	0.25526	2.6E+08	1E+08	38.49%	535.58	0.26%	94.35%
21	3232564	2526970	0.82218	123.823	188384	2481459	0.80738	2060587	0.16961	2.8E+08	1E+08	36.49%	535.029	0.34%	95.23%
22	3418050	2658660	0.82159	123.724	188384	2614395	0.80791	2111506	0.19235	2.8E+08	1E+08	36.18%	541.5	0.32%	95.87%
23	4533698	3345252	0.77007	116.006	188384	3279413	0.75492	2419327	0.26227	3.2E+08	1.2E+08	37.00%	625.653	0.21%	96.09%
24	4031536	3017574	0.78517	118.258	188384	2965945	0.77174	2249718	0.24148	3E+08	1.1E+08	36.12%	568.084	0.29%	95.20%
25	3851386	2919614	0.79275	119.423	188384	2865468	0.77805	2262020	0.21059	3E+08	1.1E+08	35.43%	565.735	0.18%	96.18%

26	4866426	3704882	0.80429	121.136	188384	3643822	0.79103	2638273	0.27596	3.5E+08	1.2E+08	35.13%	660.23	0.17%	96.11%
27	3439508	2659924	0.8158	122.863	188384	2615317	0.80212	2059322	0.21259	2.8E+08	9.1E+07	33.07%	484.371	0.27%	95.52%
28	3729470	2323112	0.86933	149.944	188384	2287325	0.9846	1800891	0.21267	2.4E+08	9.2E+07	38.08%	490.388	0.28%	94.80%
29	4261366	3188848	0.7828	117.923	188384	3127545	0.76775	2314998	0.2598	3.1E+08	1E+08	32.56%	534.795	0.19%	95.36%
30	3733316	2867392	0.80557	121.341	188384	2811228	0.78979	2188526	0.22151	2.9E+08	9.7E+07	33.26%	516.484	0.24%	96.03%
31	3868040	2974828	0.81158	122.236	188384	2920703	0.79681	2375060	0.18682	3.2E+08	1.1E+08	33.36%	566.485	0.31%	96.10%
32	3571646	2730918	0.80453	121.159	188384	2675210	0.78812	1954511	0.2694	2.6E+08	8.8E+07	34.06%	468.798	0.32%	95.76%
33	3753340	2829550	0.79952	120.369	188384	2771761	0.78319	2114376	0.23717	2.8E+08	9.5E+07	34.07%	505.229	0.32%	96.21%
34	3716606	2697884	0.76376	115.04	188384	2642714	0.74814	2059440	0.22071	2.7E+08	9.2E+07	34.16%	489.567	0.23%	96.35%
35	3526552	2692628	0.81074	122.077	188384	2640269	0.79497	2147507	0.18663	2.9E+08	9.8E+07	34.44%	521.697	0.22%	95.75%
36	3746392	2799568	0.78959	118.912	188384	2745476	0.77433	2140921	0.2202	2.8E+08	9.9E+07	35.19%	528.118	0.51%	95.05%
37	3603146	2807720	0.81796	123.199	188384	2753214	0.80208	2174839	0.21007	2.9E+08	9.7E+07	33.60%	517.273	0.32%	95.92%
38	3321012	2544116	0.80871	121.782	188384	2493262	0.79255	2021867	0.18907	2.7E+08	9E+07	33.43%	476.853	0.17%	95.75%
39	3487504	2798154	0.84785	127.673	188384	2742012	0.83084	2287567	0.16573	3.1E+08	1E+08	33.68%	551.096	0.17%	95.77%
40	3703848	2838118	0.80183	120.774	188384	2783826	0.78649	2213690	0.2048	3E+08	1.1E+08	35.64%	558.543	0.18%	95.09%
41	3767878	2801530	0.78433	118.106	188384	2745105	0.76853	2298776	0.16259	3E+08	1.1E+08	35.13%	563.339	0.36%	95.08%
42	3423244	2712092	0.82983	124.997	188384	2663845	0.81507	2208245	0.17103	3E+08	1.1E+08	36.24%	571.101	0.24%	95.24%
43	3541844	2755626	0.82072	123.604	188384	2708969	0.80682	2244946	0.17129	3E+08	1.1E+08	36.31%	578.937	0.12%	95.39%
44	3702198	2828492	0.80419	121.121	188384	2779945	0.79039	2148765	0.22705	2.9E+08	1.1E+08	36.95%	563.32	0.36%	95.32%
45	3697600	2832538	0.80112	120.677	188384	2777214	0.78547	2217884	0.2014	3E+08	1E+08	34.83%	549.174	0.14%	95.23%
46	3687138	2877804	0.81906	123.365	188384	2826280	0.8044	2252451	0.20303	3E+08	1.1E+08	36.26%	580.644	0.28%	95.47%
47	3774242	2904282	0.81081	122.119	188384	2850224	0.79571	2211259	0.22418	3E+08	1.1E+08	35.56%	557.874	0.26%	94.94%
48	3420074	2709398	0.8298	124.983	188384	2665780	0.81644	1975266	0.25903	2.7E+08	1E+08	37.84%	536.168	0.22%	95.09%
49	3716550	2953566	0.83915	126.35	188384	2906900	0.8259	2143142	0.26274	2.9E+08	1.1E+08	37.82%	578.064	0.22%	95.52%
50	3762766	2890290	0.80363	121.061	188384	2843824	0.79071	2251133	0.20841	3E+08	1.1E+08	37.44%	594.012	0.46%	94.74%
51	3357320	2571064	0.80733	121.594	188384	2527010	0.79349	2033720	0.19521	2.7E+08	1E+08	37.90%	544.672	0.21%	95.24%
52	3403020	2744938	0.8503	128.051	188384	2702268	0.83708	2133042	0.21065	2.9E+08	1.1E+08	36.78%	562.471	0.24%	95.49%
53	3844716	2858974	0.77791	117.186	188384	2803130	0.76272	1934775	0.30978	2.6E+08	8.8E+07	34.44%	466.868	0.42%	94.58%
54	3462994	2692438	0.81741	123.107	188384	2640555	0.80166	2126988	0.19449	2.8E+08	1E+08	35.28%	531.956	0.26%	94.82%
55	3474862	2668168	0.8082	121.725	188384	2623012	0.79453	1955203	0.2546	2.6E+08	1E+08	38.72%	534.347	0.20%	95.14%
56	3300480	2471728	0.78424	118.12	188384	2432358	0.77175	1810163	0.2558	2.4E+08	9.2E+07	38.68%	490.439	0.11%	94.78%
57	3400548	2652606	0.82053	123.566	188384	2615846	0.80916	1966637	0.24818	2.6E+08	1E+08	39.39%	550.799	0.19%	95.41%

58	3339706	2601098	0.81691	123.04	188384	2560159	0.80405	2004647	0.21698	2.7E+08	1.1E+08	39.63%	566.104	0.34%	95.25%
59	3524968	2770742	0.82873	124.801	188384	2732326	0.81724	2137612	0.21766	2.9E+08	1.1E+08	39.44%	597.876	0.17%	95.71%
60	3283140	2388214	0.7677	115.623	188384	2350882	0.7557	1839715	0.21744	2.4E+08	9.5E+07	39.42%	504.244	0.27%	94.76%
61	3500390	2674046	0.79879	120.323	188384	2630473	0.78578	1944768	0.26068	2.6E+08	1E+08	39.21%	538.076	0.28%	94.93%
62	3355918	2505014	0.78531	118.272	188384	2458129	0.77061	1928130	0.21561	2.5E+08	9.6E+07	38.00%	512.234	0.20%	94.87%
63	4101238	3160204	0.81215	122.313	188384	3105386	0.79806	2205795	0.28969	2.9E+08	1.1E+08	36.95%	573.441	0.18%	95.51%
64	3025692	2329204	0.80668	121.499	188384	2295434	0.79499	1690385	0.26359	2.3E+08	9.2E+07	40.48%	485.947	0.43%	94.58%
65	3251354	2453830	0.79809	120.168	188384	2419227	0.78684	1740642	0.2805	2.3E+08	9.3E+07	40.42%	494.812	0.37%	94.56%
66	3471598	2639222	0.79716	120.072	188384	2601219	0.78568	1890228	0.27333	2.5E+08	1E+08	40.71%	540.467	0.20%	95.17%
67	3104732	2473646	0.84318	126.966	188384	2442859	0.83269	1909916	0.21816	2.6E+08	1E+08	39.65%	542.934	0.22%	95.18%
68	3175262	2365058	0.78765	118.62	188384	2328448	0.77546	1743848	0.25107	2.3E+08	9.1E+07	39.89%	485.497	0.31%	94.71%
69	3252314	2392516	0.77274	116.391	188384	2349589	0.75887	1757850	0.25185	2.3E+08	8.8E+07	38.25%	469.271	0.17%	94.49%
70	3125774	2453388	0.82558	124.332	188384	2412425	0.8118	1848294	0.23384	2.5E+08	9.6E+07	39.05%	511.384	0.31%	94.75%
71	3055442	2457430	0.85061	128.076	188384	2423142	0.83874	1786895	0.26257	2.4E+08	9.4E+07	39.00%	498.318	0.20%	94.81%
72	3350346	2561594	0.80456	121.151	188384	2522309	0.79222	1945844	0.22855	2.6E+08	1E+08	39.66%	545.428	0.32%	95.21%
73	3485858	2768468	0.84018	126.489	188384	2725975	0.82728	2134766	0.21688	2.9E+08	1.1E+08	38.57%	584.322	0.30%	95.49%
74	3565612	2752406	0.81258	122.371	188384	2710323	0.80016	2092089	0.2281	2.8E+08	1.1E+08	40.13%	595.166	0.18%	95.49%
75	3271254	2494716	0.80692	121.51	188384	2455688	0.79429	2031346	0.1728	2.7E+08	1.1E+08	39.54%	564.54	0.27%	95.21%
76	3292054	2310890	0.75219	113.231	188384	2254331	0.73378	1955390	0.13261	2.5E+08	7.4E+07	29.22%	393.868	0.23%	92.86%
77	3495908	2708308	0.81359	122.533	188384	2662228	0.79974	2094621	0.21321	2.8E+08	1.1E+08	38.47%	569.184	0.23%	95.24%
78	3498404	2677344	0.80763	121.612	188384	2631889	0.79392	2107420	0.19927	2.8E+08	1.1E+08	37.68%	559.076	0.20%	95.39%
79	3032072	2404096	0.8386	126.275	188384	2361677	0.8238	1897882	0.19638	2.6E+08	9.4E+07	36.85%	501.603	0.27%	95.32%
80	3352998	2621572	0.82133	123.683	188384	2587006	0.8105	1870018	0.27715	2.5E+08	1E+08	40.66%	541.382	0.35%	95.23%
81	3406900	2677076	0.82742	124.595	188384	2636659	0.81493	1933147	0.26682	2.6E+08	1E+08	40.23%	554.68	0.38%	95.47%
82	3447100	2763396	0.8412	126.692	188384	2725901	0.82979	2037195	0.25265	2.7E+08	1.1E+08	40.39%	587.471	0.43%	95.09%
83	3710056	2929186	0.83546	125.803	188384	2886782	0.82336	2176424	0.24607	2.9E+08	1.1E+08	38.96%	606.338	0.20%	95.00%
84	3024112	2332564	0.81455	122.664	188384	2297509	0.8023	1849860	0.19484	2.5E+08	9.6E+07	39.29%	512.064	0.34%	95.52%
85	3315020	1966010	0.82377	149.956	188384	1935587	0.98453	1581461	0.18296	2.1E+08	8.3E+07	39.79%	442.769	0.38%	93.68%
86	3872324	2287568	0.83267	149.914	188384	2257107	0.98668	1720384	0.23779	2.3E+08	8.9E+07	38.60%	470.588	0.23%	94.29%
87	3161486	1715256	0.77121	149.94	188384	1657085	0.96609	547902	0.66936	7.2E+07	1.4E+07	20.04%	76.1844	1.47%	27.36%
88	3541760	1993952	0.78261	149.972	188384	1960083	0.98301	1469978	0.25004	1.9E+08	7.5E+07	38.69%	396.793	0.38%	93.17%
89	3454912	1876918	0.76475	149.932	188384	1845284	0.98315	1422967	0.22886	1.9E+08	7.3E+07	39.20%	385.985	0.36%	92.67%

90	3303174	1995850	0.84077	149.974	188384	1962507	0.98329	1514199	0.22844	2E+08	7.8E+07	38.30%	414.037	0.33%	92.90%
91	3428130	2010692	0.82609	149.954	188384	1978540	0.98401	1555136	0.214	2.1E+08	7.9E+07	38.28%	420.85	0.29%	93.09%
92	3085292	1837472	0.83768	149.939	188384	1807150	0.9835	1473448	0.18466	2E+08	7.5E+07	38.32%	400.241	0.31%	93.26%
93	3280120	2502406	0.7988	120.318	188384	2456486	0.78414	1881505	0.23407	2.5E+08	9E+07	36.07%	480.278	0.38%	94.74%
94	3441368	1854588	0.75425	149.964	188384	1820730	0.98174	1383513	0.24013	1.8E+08	6.9E+07	38.39%	365.976	0.40%	92.39%
95	3434856	1967588	0.80551	149.946	188384	1934032	0.98295	1561298	0.19272	2.1E+08	7.9E+07	37.97%	417.309	0.40%	93.22%
96	2990400	2455158	0.86493	130.232	188384	2413752	0.85034	2090376	0.13397	2.8E+08	1.1E+08	37.43%	558.237	0.17%	95.24%
97	2566610	2020510	0.82597	124.39	188384	1987545	0.81249	1687434	0.151	2.3E+08	8.9E+07	39.46%	472.848	0.26%	94.29%
98	2557746	1991362	0.82012	123.508	188384	1952440	0.80409	1767283	0.09483	2.4E+08	8.9E+07	37.70%	470.395	0.32%	95.49%
99	3189424	2449992	0.81262	122.354	188384	2408958	0.799	2037120	0.15436	2.7E+08	1E+08	37.75%	543.287	0.18%	94.58%
100	3185300	2477732	0.81344	122.524	188384	2434588	0.79927	2005212	0.17636	2.7E+08	1E+08	38.80%	550.105	0.39%	95.14%
101	2817166	2135974	0.79565	119.832	188384	2100073	0.78228	1802607	0.14165	2.4E+08	9.3E+07	39.21%	492.969	0.45%	94.78%
102	2958458	2145682	0.76302	114.912	188384	2106590	0.74912	1776456	0.15671	2.3E+08	9.3E+07	40.55%	495.285	0.45%	95.41%
103	2838002	2202040	0.81665	122.966	188384	2162109	0.80184	1800258	0.16736	2.4E+08	9.2E+07	38.29%	486.792	0.30%	95.25%
104	4310466	2912898	0.72242	108.728	188384	2854353	0.7079	2104901	0.26256	2.7E+08	1E+08	37.87%	546.033	0.25%	95.71%
105	3779744	2399158	0.89487	149.9	188384	2364679	0.98563	1920978	0.18764	2.6E+08	1E+08	38.74%	537.354	0.27%	95.14%
106	3364362	2518764	0.79016	118.972	188384	2482396	0.77875	1835078	0.26076	2.4E+08	1E+08	40.91%	531.428	0.24%	94.76%
107	2560100	1962858	0.81341	122.453	188384	1932286	0.80074	1499452	0.224	2E+08	8.1E+07	40.67%	430.631	0.28%	94.54%
108	3864436	2962256	0.81591	122.815	188384	2914207	0.80268	2224065	0.23682	3E+08	1.2E+08	38.81%	612.72	0.20%	94.67%
109	4059794	3029568	0.78416	118.087	188384	2975365	0.77013	2370160	0.20341	3.1E+08	1.2E+08	37.57%	618.11	0.27%	94.93%
110	2747814	2090218	0.80862	121.715	188384	2047146	0.79196	1787644	0.12676	2.4E+08	8.6E+07	36.07%	455.426	0.35%	94.87%
111	3534182	2268762	0.90582	149.897	188384	2235054	0.98514	1790585	0.19886	2.4E+08	9.5E+07	38.61%	501.784	0.23%	94.63%
112	3051870	2096422	0.73047	109.977	188384	2059800	0.71771	1707350	0.17111	2.2E+08	8.8E+07	40.16%	467.939	0.35%	95.51%
113	4381630	3020844	0.72183	108.718	188384	2963152	0.70804	2399949	0.19007	3.1E+08	1.2E+08	39.10%	636.294	0.20%	94.58%
114	4281692	3042136	0.75227	113.259	188384	2986600	0.73854	2350301	0.21305	3.1E+08	1.2E+08	39.31%	637.676	0.19%	94.56%
115	2875450	2081430	0.76045	114.533	188384	2041985	0.74604	1741519	0.14714	2.3E+08	8.9E+07	39.04%	471.19	0.40%	95.17%
116	2794178	2022282	0.7657	115.311	188384	1987127	0.75239	1688565	0.15025	2.2E+08	8.9E+07	40.46%	472.51	0.30%	95.18%
117	3163194	2384496	0.79486	119.699	188384	2348276	0.78279	1787452	0.23882	2.3E+08	9.6E+07	40.81%	508.481	0.39%	94.71%
118	3131882	2288150	0.76596	115.359	188384	2251448	0.75367	1831958	0.18632	2.4E+08	9.6E+07	39.78%	507.588	0.33%	94.49%
119	4473204	3079640	0.72584	109.297	188384	3018231	0.71137	2311697	0.23409	3E+08	1.2E+08	39.37%	621.268	0.17%	94.40%
120	3145182	2226986	0.74717	112.525	188384	2185165	0.73314	1836044	0.15977	2.4E+08	9.6E+07	40.51%	509.286	0.39%	95.21%
121	3857134	3072204	0.83201	125.319	188384	3023059	0.8187	2303969	0.23787	3.1E+08	1.2E+08	38.54%	628.055	0.17%	95.49%

122	4520266	3374014	0.78366	118.022	188384	3308823	0.76852	2641363	0.20172	3.5E+08	1.3E+08	36.41%	673.014	0.28%	95.49%
123	3478054	2852240	0.86149	129.738	188384	2801928	0.84629	2336749	0.16602	3.2E+08	1.2E+08	36.11%	610.645	0.35%	92.86%
124	4655204	3289310	0.74769	112.605	188384	3231272	0.7345	2362363	0.26891	3.1E+08	1.2E+08	38.51%	630.929	0.19%	95.02%
125	3386440	2518886	0.78198	117.773	188384	2477203	0.76904	1791204	0.27692	2.4E+08	9.5E+07	40.26%	503.8	0.26%	95.26%
126	3464938	2462932	0.74319	111.942	188384	2416815	0.72928	1888675	0.21853	2.5E+08	9.3E+07	37.86%	496.111	0.34%	95.00%
127	3950016	2964456	0.78531	118.278	188384	2906858	0.77005	2329467	0.19863	3.1E+08	1.2E+08	38.13%	622.403	0.25%	94.64%
128	3758122	2743640	0.76989	115.952	188384	2683429	0.75299	2282249	0.1495	3E+08	1.1E+08	36.55%	580.953	0.29%	95.03%
129	3327556	2040610	0.85763	149.936	188384	2012049	0.986	1589701	0.20991	2.1E+08	8.5E+07	39.80%	452.608	0.33%	94.63%
130	4334102	3216460	0.77971	117.416	188384	3149126	0.76339	2469837	0.21571	3.2E+08	1.2E+08	37.71%	649.269	0.24%	94.84%
131	5231358	4118798	0.83724	126.012	188384	4037991	0.82081	3127889	0.22538	4.2E+08	1.5E+08	35.55%	788.526	0.25%	94.86%
132	4122830	3102458	0.79199	119.268	188384	3042651	0.77672	2308795	0.24119	3.1E+08	1.1E+08	37.63%	609.408	0.24%	95.56%
133	3878786	3017652	0.82456	124.139	188384	2967342	0.81081	2151097	0.27508	2.9E+08	1.1E+08	38.83%	591.531	0.07%	95.46%
134	3196660	2310004	0.7673	115.526	188384	2259068	0.75038	1875057	0.16999	2.4E+08	8.6E+07	35.07%	455.36	0.30%	94.50%
135	3466340	2580742	0.78306	117.922	188384	2527833	0.767	2071470	0.18054	2.7E+08	9.6E+07	35.26%	511.635	0.41%	95.52%
136	3755054	2787564	0.78805	118.625	188384	2734418	0.77302	2152203	0.21292	2.8E+08	1E+08	35.71%	537.22	0.32%	94.92%
137	3882714	2842848	0.77508	116.704	188384	2781087	0.75824	2381042	0.14384	3.1E+08	1.1E+08	36.76%	606.437	0.08%	95.79%
138	3880440	3016032	0.81466	122.685	188384	2962923	0.80031	2299325	0.22397	3.1E+08	1.2E+08	37.84%	616.616	0.19%	94.45%
139	4692286	3425236	0.77137	116.133	188384	3371948	0.75937	2309321	0.31514	3E+08	1.2E+08	40.28%	648.887	0.34%	94.81%
140	4082370	3155410	0.80986	121.975	188384	3101689	0.79607	2329274	0.24903	3.1E+08	1.2E+08	38.76%	637.882	0.27%	95.02%
141	3852462	2443968	0.89977	149.886	188384	2402996	0.98324	1802860	0.24974	2.5E+08	9.1E+07	36.97%	483.658	0.40%	94.58%
142	3982290	2750188	0.73306	110.396	188384	2696505	0.71875	1963116	0.27198	2.6E+08	1E+08	39.89%	541.005	0.23%	95.01%
144	4066158	2950698	0.75905	114.328	188384	2890730	0.74363	2149956	0.25626	2.8E+08	1E+08	36.97%	549.483	0.27%	95.46%
145	3816480	2616214	0.72119	108.597	188384	2569279	0.70826	1881272	0.26778	2.4E+08	9.5E+07	39.35%	505.872	0.27%	94.50%
146	3523340	2350358	0.7057	106.265	188384	2305524	0.69224	1818125	0.2114	2.3E+08	9.5E+07	40.75%	502.573	0.31%	96.19%
147	3460460	2700722	0.81781	123.162	188384	2656254	0.80434	2087967	0.21394	2.8E+08	1.1E+08	39.84%	587.099	0.10%	96.08%
148	4089244	3285230	0.84798	127.669	188384	3230540	0.83387	2330912	0.27848	3.1E+08	1.2E+08	39.69%	659.135	0.15%	94.91%
149	3615232	2031428	0.79128	149.906	188384	1998698	0.98389	1499185	0.24992	2E+08	8.3E+07	42.45%	442.295	0.43%	94.32%
150	3662116	2761590	0.78985	118.968	188384	2714805	0.77647	2107560	0.22368	2.8E+08	1.1E+08	40.06%	591.282	0.37%	94.64%
151	4363204	3273872	0.79156	119.206	188384	3215261	0.77738	2481473	0.22822	3.3E+08	1.3E+08	39.17%	678.434	0.27%	95.99%
152	4792688	3492074	0.76963	115.898	188384	3425344	0.75492	2548184	0.25608	3.3E+08	1.2E+08	37.21%	655.414	0.24%	96.04%
153	3542762	2800220	0.82773	124.67	188384	2749513	0.81274	2218192	0.19324	3E+08	1.1E+08	37.82%	595.016	0.16%	94.64%
154	3380882	2634390	0.82006	123.491	188384	2589292	0.80603	2002491	0.22663	2.7E+08	1E+08	38.91%	550.099	0.25%	95.38%

155	3471086	2740372	0.83174	125.253	188384	2696403	0.81839	2240824	0.16896	3E+08	1.2E+08	38.59%	612.597	0.40%	95.31%
156	2795640	2067978	0.77625	116.895	188384	2036127	0.7643	1618211	0.20525	2.1E+08	8.5E+07	40.10%	451.499	0.37%	94.48%
157	3389734	2576908	0.79989	120.441	188384	2540335	0.78853	1900330	0.25194	2.5E+08	1E+08	41.39%	551.185	0.21%	96.22%
158	3528358	2496974	0.7438	112.012	188384	2456404	0.73172	1772677	0.27834	2.3E+08	9.3E+07	40.54%	493.728	0.28%	94.46%
159	4998046	2763166	0.75653	150.006	188384	2712052	0.9815	2045313	0.24584	2.6E+08	1E+08	39.05%	548.801	0.30%	95.27%
160	3484442	2573542	0.78086	117.581	188384	2531547	0.76811	1993178	0.21266	2.6E+08	1.1E+08	40.27%	558.334	0.16%	94.92%
161	4121424	3010000	0.771	116.101	188384	2957901	0.75765	2318371	0.21621	3E+08	1.2E+08	40.01%	643.274	0.16%	96.01%
162	3339112	2603360	0.81637	122.962	188384	2553184	0.80064	2082482	0.18436	2.8E+08	1E+08	37.53%	550.071	0.31%	96.40%
163	3728004	2276294	0.84617	149.996	188384	2233732	0.9813	1743790	0.21934	2.3E+08	8.9E+07	38.29%	472.761	0.27%	94.36%
164	3393434	2584398	0.80143	120.684	188384	2539575	0.78753	2060635	0.18859	2.7E+08	1.1E+08	39.16%	562.762	0.18%	96.12%
165	3354324	2569854	0.80928	121.854	188384	2533614	0.79786	1972928	0.2213	2.6E+08	1E+08	39.91%	557.115	0.34%	96.15%
166	2749222	2138828	0.81626	122.926	188384	2105264	0.80345	1635786	0.223	2.2E+08	9.1E+07	41.59%	482.485	0.30%	95.19%
167	3111672	2311224	0.78749	118.549	188384	2274888	0.77511	1688163	0.25791	2.2E+08	9.1E+07	41.25%	484.003	0.31%	95.47%
168	3361344	2535848	0.79329	119.465	188384	2500265	0.78216	1911271	0.23557	2.5E+08	1.1E+08	41.71%	559.001	0.20%	95.96%
169	3320960	2438486	0.78024	117.474	188384	2395268	0.76641	1887782	0.21187	2.5E+08	9.6E+07	38.62%	507.585	0.25%	95.59%
170	3252904	2484470	0.80923	121.837	188384	2445310	0.79647	1899839	0.22307	2.5E+08	1E+08	40.45%	540.143	0.21%	96.04%
171	3093692	2263182	0.76893	115.791	188384	2226569	0.75649	1787130	0.19736	2.3E+08	9.2E+07	39.38%	490.281	0.29%	96.81%
172	3094316	2349742	0.80148	120.68	188384	2305268	0.78631	1869398	0.18908	2.5E+08	9.4E+07	38.05%	497.354	0.27%	95.98%
173	3215588	2463074	0.81343	122.459	188384	2415035	0.79757	1989907	0.17603	2.6E+08	9.6E+07	36.17%	508.162	0.34%	96.07%
174	3273734	2510916	0.80914	121.816	188384	2471091	0.7963	1929619	0.21912	2.6E+08	1E+08	40.11%	547.447	0.28%	94.74%
175	4224520	2320960	0.78365	149.869	188384	2282422	0.9834	1873309	0.17925	2.5E+08	9.7E+07	39.45%	513.954	0.23%	95.10%
176	4149776	2254910	0.76108	149.93	188384	2219863	0.98446	1817947	0.18105	2.3E+08	9.3E+07	39.92%	495.705	0.46%	94.88%
177	4311382	2427560	0.79965	149.905	188384	2391361	0.98509	1983858	0.17041	2.6E+08	1E+08	39.66%	549.302	0.18%	95.40%
178	3693864	2042002	0.78708	149.903	188384	2006690	0.98271	1651522	0.17699	2.1E+08	8.7E+07	40.55%	460.162	0.39%	94.36%
179	4339624	2349600	0.75623	149.932	188384	2297490	0.97782	1922219	0.16334	2.5E+08	8.8E+07	35.46%	468.928	0.25%	94.57%
180	3850264	2776298	0.76352	114.943	188384	2725005	0.74941	2121958	0.2213	2.8E+08	1.1E+08	39.00%	573.665	0.17%	95.69%
181	4811618	2643630	0.78074	149.896	188384	2602785	0.98455	2078329	0.2015	2.7E+08	1.1E+08	40.15%	576.409	0.36%	95.66%
182	3841502	2280796	0.8287	149.925	188384	2254669	0.98854	1756964	0.22074	2.3E+08	9.7E+07	41.63%	517.395	0.35%	95.19%
183	3499478	2678928	0.8103	121.98	188384	2647881	0.80091	1830434	0.30872	2.4E+08	1E+08	41.54%	538.417	0.22%	95.08%
184	4268388	2405900	0.78533	149.939	188384	2374382	0.9869	1799521	0.24211	2.3E+08	1E+08	43.09%	537.364	0.25%	95.06%
185	3801324	2098572	0.78121	149.9	188384	2069811	0.98629	1631271	0.21187	2.1E+08	8.8E+07	41.59%	468.237	0.25%	94.79%
186	4417406	2444732	0.78425	149.909	188384	2411755	0.98651	1861182	0.22829	2.4E+08	1E+08	41.75%	539.77	0.28%	95.19%

187	4649536	3448110	0.77957	117.373	188384	3402655	0.76929	2238188	0.34222	2.9E+08	1.3E+08	42.57%	665.059	0.18%	96.07%
188	3345090	2565660	0.80937	121.85	188384	2532313	0.79886	1547888	0.38875	2.1E+08	8.7E+07	42.34%	462.061	0.26%	95.81%
189	3580924	2612204	0.77167	116.181	188384	2571376	0.75961	1907163	0.25831	2.5E+08	1.1E+08	42.80%	566.07	0.27%	95.60%
190	3107968	2380564	0.8038	121.044	188384	2340613	0.79031	1857347	0.20647	2.5E+08	9.4E+07	38.05%	498.297	0.22%	95.89%
191	3227898	2439926	0.79704	120.011	188384	2400977	0.78432	1808416	0.2468	2.4E+08	9.3E+07	38.73%	492.313	0.26%	94.94%
192	3200446	2344634	0.76864	115.764	188384	2306388	0.7561	1732868	0.24867	2.3E+08	9.2E+07	40.49%	489.184	0.32%	95.84%
193	3119604	2263478	0.76743	115.564	188384	2223757	0.75396	1684995	0.24228	2.2E+08	8.9E+07	40.39%	471.132	0.29%	95.37%
194	3263128	2378738	0.76837	115.713	188384	2336292	0.75466	1803301	0.22814	2.3E+08	9.4E+07	39.94%	496.556	0.27%	95.79%
195	3518214	2174082	0.86259	149.935	188384	2145149	0.98669	1630849	0.23975	2.2E+08	9.1E+07	41.36%	481.447	0.25%	94.69%
196	3600960	1925384	0.7498	149.961	188384	1895988	0.98473	1457769	0.23113	1.9E+08	7.9E+07	42.46%	418.049	0.21%	93.72%
197	3478658	2644108	0.79513	119.759	188384	2601375	0.78228	1906668	0.26705	2.5E+08	1E+08	39.76%	531.352	0.21%	96.20%
198	3107606	2241852	0.75631	113.907	188384	2202354	0.74299	1661264	0.24569	2.1E+08	8.7E+07	40.48%	460.544	0.38%	95.26%
199	3901842	2344798	0.83511	149.957	188384	2306315	0.98359	1916743	0.16892	2.5E+08	1E+08	39.51%	532.536	0.29%	95.16%
200	3412876	2486588	0.76884	115.782	188384	2445199	0.75604	1874164	0.23353	2.4E+08	9.7E+07	40.08%	516.668	0.12%	95.56%
201	4546876	2581414	0.79993	149.922	188384	2542655	0.98499	1995192	0.21531	2.7E+08	1.1E+08	40.42%	569.288	0.19%	95.66%
202	3618900	2174618	0.837	149.956	188384	2152291	0.98973	1142217	0.4693	1.5E+08	6.5E+07	42.01%	343.593	0.40%	93.58%
203	3300578	1797630	0.77103	149.941	188384	1773548	0.9866	1319555	0.25598	1.7E+08	7.3E+07	41.81%	386.602	0.36%	93.69%
204	4599526	2905508	0.88736	149.915	188384	2866438	0.98655	2074531	0.27627	2.8E+08	1.1E+08	38.63%	576.739	0.17%	95.45%
205	4638878	2745028	0.82174	149.967	188384	2710383	0.98738	1671193	0.38341	2.2E+08	8.9E+07	39.90%	474.027	0.10%	95.31%
206	3521278	2110000	0.83935	149.935	188384	2074596	0.98322	1681019	0.18971	2.2E+08	8.7E+07	38.97%	462.255	0.30%	94.50%
207	3254256	2086228	0.90007	149.916	188384	2060473	0.98765	1580325	0.23303	2.2E+08	8.6E+07	39.38%	454.834	0.15%	94.41%
208	3679932	2115514	0.80992	149.941	188384	2090141	0.98801	1605516	0.23186	2.1E+08	9E+07	42.07%	478.597	0.20%	94.77%
209	3518848	1880608	0.74896	149.951	188384	1843834	0.98045	1513088	0.17938	1.9E+08	7.3E+07	37.69%	388.238	0.28%	93.37%
210	3562896	2115944	0.83091	149.941	188384	2081111	0.98354	1658780	0.20294	2.2E+08	8.5E+07	38.84%	452.715	0.38%	94.41%
211	4185444	2539978	0.85041	149.917	188384	2499390	0.98402	1873139	0.25056	2.5E+08	9.4E+07	37.02%	496.669	0.30%	95.06%
212	3135972	1858946	0.85366	149.82	188384	1833886	0.98652	1364130	0.25615	1.8E+08	7.4E+07	40.21%	392.054	0.26%	93.56%
213	4331364	2262152	0.73019	149.913	188384	2214609	0.97898	1326515	0.40102	1.7E+08	6.6E+07	39.18%	350.377	0.16%	94.00%
214	4270694	2582780	0.85731	149.893	188384	2546424	0.98592	1825766	0.28301	2.5E+08	9.1E+07	36.73%	484.648	0.15%	95.24%
215	3158618	1905304	0.85751	149.888	188384	1877927	0.98563	1414432	0.24681	1.9E+08	7.5E+07	39.45%	399.9	0.41%	93.73%
216	3313526	1817376	0.77395	149.902	188384	1793523	0.98688	1077431	0.39927	1.4E+08	5.4E+07	37.59%	284.56	0.42%	92.39%
217	3327380	1800204	0.77258	149.872	188384	1771239	0.98391	1342547	0.24203	1.8E+08	7.1E+07	40.48%	377.368	0.23%	92.90%
218	4119020	2222166	0.77441	149.888	188384	2194110	0.98737	1340783	0.38892	1.8E+08	7.6E+07	42.84%	402.102	0.36%	94.22%

219	3962426	1983580	0.7013	149.941	188384	1949773	0.98296	1379973	0.29224	1.8E+08	7.1E+07	39.82%	375.978	0.32%	94.22%
220	3486898	1473120	0.59923	149.935	188384	1448537	0.98331	1017046	0.29788	1.3E+08	5.6E+07	45.03%	299.84	0.55%	91.04%
221	2674442	1483854	0.78714	149.922	188384	1463389	0.98621	805370	0.44965	1.1E+08	4.7E+07	44.40%	249.005	0.35%	89.91%
222	2735274	1608704	0.83445	149.897	188384	1583272	0.98419	1037312	0.34483	1.4E+08	5.6E+07	39.88%	295.039	0.34%	92.28%
223	2961364	1695396	0.79287	149.967	188384	1672170	0.9863	1105320	0.33899	1.5E+08	6.2E+07	42.53%	331.353	0.46%	92.44%
224	2484474	1470300	0.83663	149.912	188384	1451676	0.98733	1090487	0.24881	1.5E+08	6.2E+07	42.13%	328.339	0.36%	92.33%
225	3225750	1617248	0.70586	149.928	188384	1591881	0.98431	1043897	0.34424	1.3E+08	5.5E+07	40.76%	291.788	0.31%	92.06%
226	3037502	1618674	0.74455	149.973	188384	1598968	0.98783	874544	0.45306	1.1E+08	4.4E+07	38.33%	231.64	0.34%	90.89%
227	4026106	2282062	0.79794	149.952	188384	2254976	0.98813	1378149	0.38884	1.8E+08	7.8E+07	42.74%	414.866	0.34%	94.22%
228	4727152	2565812	0.75224	149.971	188384	2526192	0.98456	1470152	0.41804	1.9E+08	7.1E+07	36.62%	375.324	0.28%	94.31%
229	3356354	1863122	0.77414	149.962	188384	1825872	0.98001	1324772	0.27444	1.7E+08	6.2E+07	35.47%	328.038	0.52%	92.12%
230	3020892	1621206	0.76746	149.94	188384	1592732	0.98244	854878	0.46326	1.1E+08	3.8E+07	33.96%	202.847	0.52%	88.42%
231	2327208	1331928	0.8023	149.921	188384	1305528	0.98018	1014837	0.22266	1.3E+08	4.7E+07	35.32%	251.059	0.32%	89.07%
232	3037950	1695122	0.81552	149.822	188384	1658665	0.97849	960401	0.42098	1.3E+08	3.8E+07	30.15%	204.292	0.27%	88.02%
233	3187182	1758852	0.77876	149.929	188384	1726959	0.98187	1257715	0.27172	1.7E+08	5.8E+07	34.80%	306.973	0.20%	91.58%
234	3353634	1854040	0.79768	149.895	188384	1818434	0.9808	1340981	0.26256	1.8E+08	5.8E+07	33.10%	310.014	0.33%	92.35%
235	2177330	1112338	0.7425	149.874	188384	1091575	0.98133	706694	0.35259	9.2E+07	3.2E+07	34.45%	168.856	0.46%	81.13%
236	4217124	2172514	0.72374	149.922	188384	2130323	0.98058	1282798	0.39784	1.7E+08	6E+07	36.04%	316.576	0.35%	92.95%
237	3608454	1634436	0.65611	149.851	188384	1597950	0.97768	922956	0.42241	1.2E+08	4.4E+07	38.14%	235.915	0.38%	89.71%
238	3210372	1871990	0.83282	149.879	188384	1842432	0.98421	1230494	0.33214	1.6E+08	6E+07	36.51%	319.241	0.26%	92.89%
239	3458350	1989828	0.79524	149.967	188384	1963275	0.98666	1284967	0.3455	1.7E+08	6.9E+07	40.38%	364.77	0.32%	93.86%
240	3688022	2101244	0.81034	149.883	188384	2072256	0.9862	1146440	0.44677	1.5E+08	5.6E+07	36.86%	299.754	0.35%	92.95%
241	3632984	2039038	0.78159	149.963	188384	2009258	0.9854	1284856	0.36053	1.7E+08	7E+07	41.11%	371.236	0.27%	93.36%
242	3339956	1974624	0.8348	149.93	188384	1947418	0.98622	1424971	0.26828	1.9E+08	7.6E+07	39.43%	402.412	0.24%	94.04%
243	3823144	2084808	0.76998	149.937	188384	2051077	0.98382	1420817	0.30728	1.9E+08	7.4E+07	39.64%	393.844	0.32%	93.74%
244	4108440	2142358	0.72795	149.96	188384	2112227	0.98594	804502	0.61912	1E+08	3.7E+07	35.67%	197.332	0.41%	89.78%
245	4359920	2408568	0.77238	149.944	188384	2375353	0.98621	1407573	0.40743	1.9E+08	7.7E+07	41.40%	406.921	0.29%	94.15%
246	3554238	1910618	0.76261	149.929	188384	1885896	0.98706	1143761	0.39352	1.5E+08	6.4E+07	42.60%	340.189	0.31%	93.17%
247	3443838	2151824	0.87014	149.945	188384	2121605	0.98596	1530693	0.27852	2.1E+08	8.1E+07	38.89%	429.596	0.28%	94.41%
248	3675000	2129370	0.82592	149.864	188384	2096144	0.9844	1492433	0.28801	2E+08	7.9E+07	39.65%	421.16	0.36%	93.99%
249	3847210	2302788	0.83456	149.948	188384	2268441	0.98508	1595205	0.29678	2.2E+08	8.3E+07	38.64%	443.089	0.18%	94.68%
250	3817832	2143232	0.78104	149.956	188384	2101451	0.98051	1690250	0.19567	2.2E+08	7.9E+07	35.38%	420.451	0.31%	93.83%

251	3106196	1584524	0.72116	149.925	188384	1562841	0.98632	743086	0.52453	9.6E+07	4.1E+07	43.14%	220.235	0.42%	87.21%
252	4501012	4032574	0.89593	147.288	183578	3955851	0.98097	2136962	0.4598	2.9E+08	9E+07	31.54%	490.214	0.00%	97.55%
253	4879376	4499974	0.92224	146.823	183578	4407301	0.97941	2650154	0.39869	3.6E+08	1.2E+08	32.20%	630.639	0.00%	97.58%
254	4689294	4286670	0.91414	147.03	183578	4205978	0.98118	2286453	0.45638	3.1E+08	9.8E+07	31.74%	532.83	0.00%	97.63%
255	4536526	4159020	0.91679	146.994	183578	4078995	0.98076	2593775	0.36411	3.5E+08	1.2E+08	34.35%	654.005	0.00%	97.91%
256	4750230	4423636	0.93125	146.819	183578	4342523	0.98166	2423781	0.44185	3.3E+08	1.1E+08	33.83%	606.972	0.00%	97.65%
257	4111878	3729918	0.90711	147.179	183578	3652489	0.97924	1925139	0.47292	2.6E+08	7.8E+07	30.01%	422.883	0.00%	96.88%
258	4050462	3654466	0.90223	147.209	183578	3588886	0.98205	2068576	0.42362	2.8E+08	9.6E+07	34.54%	522.401	0.00%	97.18%
259	4614936	4256962	0.92243	146.977	183578	4183926	0.98284	2371966	0.43308	3.2E+08	1.1E+08	34.67%	605.381	0.00%	97.63%
260	5106470	4705506	0.92148	147.06	183578	4609024	0.9795	2657862	0.42334	3.6E+08	1.2E+08	32.30%	633.821	0.00%	97.86%
261	4508608	4134364	0.91699	147.005	183578	4050175	0.97964	2450613	0.39494	3.3E+08	1.1E+08	33.56%	603.734	0.00%	97.77%
262	4617436	4247204	0.91982	147.134	183578	4172716	0.98246	2354136	0.43583	3.2E+08	1.1E+08	33.26%	575.083	0.00%	97.77%
263	4942822	4599842	0.93061	146.83	183578	4514291	0.9814	2562004	0.43247	3.5E+08	1.1E+08	32.59%	617.376	0.00%	97.70%
264	4806894	4472776	0.93049	146.786	183578	4380950	0.97947	2296515	0.4758	3.1E+08	1E+08	32.49%	552.779	0.00%	97.68%
265	4502898	4179518	0.92818	147.019	183578	4079641	0.9761	2544656	0.37625	3.4E+08	1E+08	29.11%	544.928	0.00%	97.48%
266	4219782	3917950	0.92847	146.928	183578	3840082	0.98013	2052561	0.46549	2.8E+08	9.5E+07	33.77%	514.949	0.00%	97.04%
267	4568308	4237270	0.92754	146.851	183578	4159845	0.98173	2295445	0.44819	3.1E+08	1.1E+08	35.23%	598.289	0.03%	97.58%
268	4778426	4421984	0.92541	146.931	183578	4327230	0.97857	2692634	0.37775	3.6E+08	1.1E+08	31.53%	624.425	0.00%	97.76%
269	4967748	4610388	0.92806	146.726	183578	4516600	0.97966	2750994	0.39091	3.7E+08	1.2E+08	31.93%	648.477	0.00%	97.96%
270	5565756	5216304	0.93721	146.987	183578	5114496	0.98048	2947058	0.42378	4E+08	1.2E+08	31.04%	676.499	0.00%	98.28%
271	4911540	4446530	0.90532	146.648	183578	4323022	0.97222	2658731	0.38498	3.5E+08	8.9E+07	25.15%	486.118	0.00%	96.94%
272	4701286	4368002	0.92911	146.926	183578	4281908	0.98029	2518667	0.41179	3.4E+08	1.1E+08	32.26%	598.741	0.00%	97.92%
273	4242444	3928444	0.92599	147.029	183578	3835202	0.97626	2611121	0.31917	3.5E+08	1.1E+08	30.32%	583.215	0.00%	97.60%
274	4809450	4424142	0.91989	146.932	183578	4337731	0.98047	2382791	0.45068	3.2E+08	1.1E+08	32.76%	575.468	0.00%	97.52%
275	4718280	4364654	0.92505	146.916	183578	4276850	0.97988	2598053	0.39253	3.5E+08	1.2E+08	33.69%	644.25	0.00%	97.89%
276	5022182	4631130	0.92214	146.979	183578	4523756	0.97681	3030602	0.33007	4.1E+08	1.3E+08	30.57%	681.841	0.00%	97.91%
277	4487762	4117916	0.91759	147.03	183578	4037551	0.98048	2496655	0.38164	3.4E+08	1.1E+08	33.24%	609.386	0.00%	97.85%
278	4601910	4264872	0.92676	147.093	183578	4182392	0.98066	2720390	0.34956	3.7E+08	1.3E+08	34.08%	685.425	0.00%	98.06%
279	4539134	4166034	0.9178	146.957	183578	4083163	0.98011	2555171	0.37422	3.5E+08	1.1E+08	32.76%	616.294	0.00%	97.75%
280	4803454	4480866	0.93284	146.788	183578	4395716	0.981	2777414	0.36815	3.8E+08	1.2E+08	31.00%	635.293	0.00%	98.06%
281	5381520	4914620	0.91324	146.732	183578	4784978	0.97362	3368421	0.29604	4.5E+08	1.2E+08	26.76%	658.42	0.00%	97.96%
282	4661530	4343984	0.93188	146.754	183578	4259403	0.98053	2510208	0.41067	3.4E+08	1.1E+08	32.25%	597.372	0.00%	97.75%

283	4976420	4583204	0.92098	146.954	183578	4494865	0.98073	2741106	0.39017	3.7E+08	1.2E+08	32.78%	662.039	0.00%	98.08%
284	4755370	4322644	0.909	147.076	183578	4224049	0.97719	2636318	0.37588	3.5E+08	1.1E+08	30.97%	596.29	0.00%	97.37%
285	4726542	4348646	0.92005	146.898	183578	4253960	0.97823	2695703	0.36631	3.6E+08	1.2E+08	32.16%	637.908	0.00%	97.74%
286	4702140	4374970	0.93042	146.93	183578	4286810	0.97985	2646749	0.38258	3.6E+08	1.1E+08	31.21%	610.972	0.00%	97.58%
287	4670400	4290790	0.91872	146.639	183578	4182013	0.97465	3031226	0.27518	4.1E+08	1.1E+08	27.70%	614.062	0.00%	97.71%
288	5134046	4717886	0.91894	146.727	183578	4601091	0.97524	3550495	0.22834	4.8E+08	1.4E+08	28.46%	741.378	0.03%	98.26%
289	4896638	4486500	0.91624	146.935	183578	4376548	0.97549	2701888	0.38264	3.6E+08	1.1E+08	29.13%	578.608	0.00%	97.29%
290	4831018	4420562	0.91504	146.757	183578	4311386	0.9753	2757407	0.36044	3.7E+08	1.1E+08	28.83%	582.973	0.08%	97.67%
291	4766878	4387620	0.92044	146.781	183578	4291551	0.9781	2575587	0.39985	3.5E+08	1.1E+08	31.40%	595.646	0.00%	97.65%
292	4667248	4278016	0.9166	147.099	183578	4176100	0.97618	2721808	0.34824	3.7E+08	1.1E+08	30.71%	613.085	0.00%	97.73%
293	4845158	4476704	0.92395	146.962	183578	4383703	0.97923	2654691	0.39442	3.6E+08	1.2E+08	32.21%	628.976	0.00%	97.84%
294	5128480	4784408	0.93291	147.062	183578	4691982	0.98068	2960473	0.36904	4E+08	1.3E+08	32.30%	709.673	0.00%	98.09%
295	4481628	4160188	0.92828	146.999	183578	4071040	0.97857	2543561	0.37521	3.4E+08	1.1E+08	31.51%	591.95	0.00%	97.76%
296	4898046	4465980	0.91179	146.981	183578	4369269	0.97834	2807021	0.35755	3.8E+08	1.2E+08	31.52%	648.259	0.00%	98.02%
297	4821896	4457208	0.92437	146.964	183578	4346803	0.97523	2995751	0.31082	4E+08	1.2E+08	28.45%	626.893	0.00%	97.77%
298	4471492	4071834	0.91062	147.13	183578	3987681	0.97933	2431600	0.39022	3.3E+08	1.1E+08	32.30%	573.99	0.00%	97.86%
299	4728524	4372552	0.92472	147.002	183578	4289344	0.98097	2646494	0.38301	3.6E+08	1.2E+08	33.04%	645.667	0.00%	97.97%
300	4890960	4455952	0.91106	147.023	183578	4364213	0.97941	2435383	0.44197	3.3E+08	1.1E+08	32.18%	576.416	0.23%	97.30%
301	4163344	3849532	0.92463	146.986	183578	3766264	0.97837	2265304	0.39853	3.1E+08	1E+08	32.79%	547.473	0.00%	97.47%
302	4667716	4322610	0.92607	147.065	183578	4238624	0.98057	2653755	0.37391	3.6E+08	1.2E+08	33.61%	660.323	0.00%	98.07%
303	4596084	4261826	0.92727	146.633	183578	4173386	0.97925	2288850	0.45156	3.1E+08	9.6E+07	30.87%	523.003	0.00%	97.19%
304	4582186	4265450	0.93088	146.666	183578	4174362	0.97865	2393994	0.4265	3.2E+08	9.8E+07	30.31%	534.99	0.00%	97.25%
305	3877892	3517762	0.90713	145.685	183578	3427911	0.97446	2371424	0.3082	3.1E+08	9.3E+07	29.82%	505.926	0.00%	96.90%
306	3765772	3440200	0.91354	146.079	183578	3368254	0.97909	2075354	0.38385	2.7E+08	9.5E+07	34.62%	517.326	0.00%	97.04%
307	4071664	3700120	0.90875	145.78	183578	3615168	0.97704	2252436	0.37695	3E+08	1E+08	33.78%	545.26	0.00%	97.18%
308	4203424	3778146	0.89883	145.877	183578	3689239	0.97647	2359701	0.36038	3.1E+08	1E+08	33.19%	554.413	0.01%	97.10%
309	3818330	3435416	0.89972	145.988	183578	3360418	0.97817	2226133	0.33754	2.9E+08	1E+08	35.54%	561.458	0.00%	97.42%
310	3914116	3546144	0.90599	145.847	183578	3467436	0.9778	2309069	0.33407	3E+08	1E+08	34.17%	561.768	0.00%	97.53%
311	4147656	3616032	0.87183	145.801	183578	3512893	0.97148	2232861	0.36438	2.9E+08	8.5E+07	29.66%	463.259	0.00%	96.83%
312	4098198	3715642	0.90665	145.325	183578	3618659	0.9739	2398763	0.33711	3.1E+08	9.4E+07	30.22%	513.974	0.00%	96.90%
313	4181196	3764012	0.90022	145.711	183578	3671357	0.97538	2357982	0.35774	3.1E+08	1E+08	32.92%	552.515	0.00%	97.36%
314	4012422	3602858	0.89793	145.872	183578	3531434	0.98018	2239118	0.36595	2.9E+08	1.1E+08	36.71%	583.566	0.00%	97.35%

315	4134802	3747176	0.90625	145.867	183578	3671140	0.97971	2394561	0.34773	3.1E+08	1.1E+08	35.82%	608.001	0.00%	97.66%
316	3743298	3407200	0.91021	146.012	183578	3340394	0.98039	2195870	0.34263	2.9E+08	1E+08	36.13%	566.194	0.00%	97.56%
317	3644712	3330392	0.91376	146.15	183578	3262501	0.97961	2187248	0.32958	2.9E+08	1.1E+08	36.70%	574.705	0.00%	97.30%
318	3552088	3244242	0.91333	145.993	183578	3179812	0.98014	2094490	0.34132	2.7E+08	9.7E+07	35.50%	530.053	0.00%	97.11%
319	3786836	3452618	0.91174	145.929	183578	3382172	0.9796	2330228	0.31103	3E+08	1.1E+08	36.05%	598.451	0.00%	97.53%
320	3430776	3165158	0.92258	145.711	183578	3097739	0.9787	2122092	0.31495	2.8E+08	9.8E+07	35.28%	533.884	0.00%	97.28%
321	4120594	3730034	0.90522	145.919	183578	3645174	0.97725	2319625	0.36364	3E+08	1E+08	33.61%	557.159	0.00%	97.04%
322	3600012	3298308	0.91619	145.818	183578	3230473	0.97943	1999414	0.38108	2.6E+08	9.5E+07	36.13%	518.813	0.00%	96.81%
323	3748582	3390862	0.90457	146.055	183578	3321288	0.97948	2047434	0.38354	2.7E+08	1E+08	37.38%	544.564	0.00%	97.18%
324	5047102	4550800	0.90167	145.997	183578	4443449	0.97641	3111261	0.29981	4.1E+08	1.4E+08	33.56%	741.861	0.00%	98.34%
325	4020090	3667946	0.9124	145.92	183578	3593315	0.97965	2532239	0.29529	3.3E+08	1.2E+08	35.95%	650.826	0.00%	97.72%
326	4297960	3943516	0.91753	145.878	183578	3856329	0.97789	2679755	0.3051	3.5E+08	1.1E+08	32.28%	619.826	0.00%	97.83%
327	4031796	3621720	0.89829	146.017	183578	3544775	0.97875	2571526	0.27456	3.3E+08	1.2E+08	35.09%	637.943	0.00%	97.87%
328	4041842	3688048	0.91247	145.927	183578	3607911	0.97827	2509883	0.30434	3.3E+08	1.1E+08	34.79%	619.115	0.00%	97.99%
329	4079892	3703688	0.90779	145.721	183578	3619784	0.97735	2475923	0.316	3.3E+08	1.1E+08	32.96%	583.892	0.19%	97.21%
330	4030874	3524472	0.87437	146.431	183578	3453239	0.97979	2142898	0.37945	2.8E+08	9.3E+07	33.61%	506.987	0.00%	97.64%
331	3863426	3535704	0.91517	145.887	183578	3473896	0.98252	2258182	0.34996	3E+08	1.1E+08	38.53%	624.382	0.00%	97.74%
332	4090908	3652670	0.89288	145.985	183578	3568231	0.97688	2564628	0.28126	3.3E+08	1.1E+08	34.43%	621.006	0.00%	97.80%
333	3078982	2763048	0.89739	145.831	183578	2706596	0.97957	1951326	0.27905	2.5E+08	9E+07	35.63%	490.29	0.00%	96.80%
334	4120948	3745738	0.90895	145.947	183578	3669910	0.97976	2545496	0.30639	3.3E+08	1.2E+08	34.70%	628.084	0.00%	97.59%
335	3566206	3189540	0.89438	146.05	183578	3124566	0.97963	2227771	0.28701	2.9E+08	1.1E+08	37.76%	593.986	0.00%	97.58%
336	4291414	3874968	0.90296	145.754	183578	3800317	0.98074	2385845	0.3722	3.1E+08	1.2E+08	37.25%	631.38	0.00%	97.77%
337	4111276	3655370	0.88911	146.046	183578	3580274	0.97946	2177318	0.39186	2.8E+08	9E+07	31.80%	489.701	0.08%	97.64%
338	3991856	3485112	0.87306	146.291	183578	3420644	0.9815	2142283	0.37372	2.8E+08	1E+08	36.49%	546.943	0.00%	97.46%
339	4373540	3821548	0.87379	146.386	183578	3752054	0.98182	2223186	0.40747	2.9E+08	1.1E+08	37.40%	581.991	0.00%	98.00%
340	4365092	3930348	0.9004	146.017	183578	3842019	0.97753	2574488	0.32991	3.4E+08	1.1E+08	32.43%	593.122	0.00%	97.66%
341	3931898	3561844	0.90588	145.958	183578	3488403	0.97938	2530670	0.27455	3.3E+08	1.2E+08	36.12%	651.433	0.00%	97.66%
342	4239238	3824732	0.90222	146.303	183578	3742201	0.97842	2750898	0.2649	3.6E+08	1.3E+08	36.55%	716.17	0.00%	97.87%
343	4192978	3756952	0.89601	146.291	183578	3683373	0.98042	2605919	0.29252	3.4E+08	1.3E+08	37.22%	689.795	0.00%	97.98%
344	3934072	3524354	0.89585	146.268	183578	3458993	0.98145	2403632	0.30511	3.1E+08	1.2E+08	37.16%	635.3	0.05%	97.79%
345	3962504	3504332	0.88437	146.271	183578	3426944	0.97792	2299802	0.32891	3E+08	9.6E+07	32.18%	523.777	0.00%	97.46%
346	3835592	3379496	0.88109	146.27	183578	3304154	0.97771	2455550	0.25683	3.2E+08	1.2E+08	37.52%	644.607	0.00%	97.19%

347	3875828	3471832	0.89577	146.446	183578	3410896	0.98245	2052146	0.39836	2.7E+08	1E+08	38.61%	565.628	0.00%	97.28%
348	3845612	3367138	0.87558	146.404	183578	3286888	0.97617	1933209	0.41184	2.5E+08	8.3E+07	32.97%	449.791	0.00%	97.15%
349	3426742	3062580	0.89373	146.464	183578	2993158	0.97733	2088536	0.30223	2.7E+08	9.9E+07	36.44%	541.875	0.00%	96.96%
350	3241496	2911578	0.89822	146.478	183578	2857581	0.98145	1937056	0.32213	2.5E+08	1E+08	39.63%	545.62	0.00%	96.98%
351	3722630	3363538	0.90354	146.115	183578	3301072	0.98143	2314827	0.29877	3E+08	1.1E+08	37.98%	625.584	0.00%	97.46%
352	2841106	2473364	0.87056	146.727	183578	2437315	0.98543	1391284	0.42917	1.8E+08	7.5E+07	41.45%	410.132	0.00%	96.58%
353	3345490	2920872	0.87308	146.564	183578	2873030	0.98362	1631866	0.43201	2.1E+08	8.7E+07	41.19%	475.467	0.00%	96.91%
354	3455188	3076704	0.89046	146.544	183578	3022178	0.98228	1843128	0.39013	2.4E+08	9.1E+07	38.09%	498.166	0.00%	97.38%
355	3982280	3519620	0.88382	146.634	183578	3457891	0.98246	2036572	0.41104	2.7E+08	1E+08	39.30%	570.575	0.00%	97.53%
356	3124872	2810750	0.89948	146.071	183578	2757543	0.98107	1916598	0.30496	2.5E+08	9.6E+07	38.44%	525.642	0.00%	96.93%
357	4872844	4405438	0.90408	147.074	183578	4306341	0.97751	2720498	0.36826	3.6E+08	1.2E+08	33.80%	668.168	0.00%	97.71%
358	4718274	4188938	0.88781	147.283	183578	4123879	0.98447	2437546	0.40892	3.3E+08	1.3E+08	38.83%	689.303	0.00%	98.34%
359	5171420	4759350	0.92032	147.392	183578	4688320	0.98508	2297477	0.50996	3.1E+08	1.2E+08	39.35%	664.744	0.00%	98.26%
360	5366394	4828524	0.89977	146.902	183578	4731149	0.97983	2627903	0.44455	3.5E+08	1.2E+08	33.32%	639.398	0.00%	97.86%
361	4653524	4266842	0.91691	147.065	183578	4198765	0.98405	2260397	0.46165	3.1E+08	1.1E+08	37.47%	624.206	0.00%	97.47%
362	5396240	4792912	0.88819	147.383	183578	4724983	0.98583	1878417	0.60245	2.5E+08	8.7E+07	35.24%	476.627	0.00%	97.79%
363	5584164	4810830	0.86151	147.593	183578	4740899	0.98546	1617204	0.65888	2.1E+08	7.9E+07	37.40%	432.253	0.00%	97.89%
364	4852702	4400642	0.90684	147.036	183578	4329379	0.98381	2495252	0.42365	3.3E+08	1.2E+08	35.90%	654.446	0.00%	98.07%
365	5016656	4543356	0.90565	147.332	183578	4461708	0.98203	2474333	0.44543	3.3E+08	1.2E+08	34.96%	631.659	0.00%	98.07%
366	4512584	3911610	0.86682	147.029	183578	3841060	0.98196	1561314	0.59352	2E+08	5.1E+07	25.19%	276.223	0.00%	97.17%
367	4772634	4510718	0.94512	146.958	183578	4432001	0.98255	2628550	0.40692	3.6E+08	1.3E+08	36.84%	722.783	0.00%	97.98%
368	4868058	4407042	0.9053	147.2	183578	4324136	0.98119	2447271	0.43404	3.3E+08	1.2E+08	35.97%	642.543	0.00%	98.22%
369	5315348	4817674	0.90637	146.984	183578	4733901	0.98261	2515552	0.46861	3.4E+08	1.1E+08	33.76%	621.267	0.00%	98.17%
370	4667290	4346366	0.93124	147.192	183578	4288122	0.9866	2182148	0.49112	3E+08	1.1E+08	38.59%	624.717	0.00%	98.15%
371	5039822	4637132	0.9201	147.226	183578	4553315	0.98192	2535339	0.44319	3.4E+08	1.2E+08	35.69%	661.749	0.00%	98.20%
372	5237382	4798482	0.9162	146.948	183578	4700001	0.97948	2537698	0.46006	3.4E+08	1E+08	30.43%	561.622	0.00%	98.31%
373	5029894	4550422	0.90468	147.242	183578	4472592	0.9829	1901169	0.57493	2.5E+08	8E+07	31.89%	437.623	0.08%	97.67%
374	5016604	4465472	0.89014	147.196	183578	4403415	0.9861	1999459	0.54593	2.7E+08	9E+07	33.73%	489.526	0.00%	98.51%
375	4861402	4525734	0.93095	146.945	183578	4448574	0.98295	2534255	0.43032	3.4E+08	1.3E+08	36.49%	684.93	0.00%	97.70%
376	4190638	3630012	0.86622	147.245	183578	3551842	0.97847	1398818	0.60617	1.8E+08	4.2E+07	23.11%	227.418	0.08%	95.67%
377	5409188	4983694	0.92134	147.082	183578	4901976	0.9836	2390822	0.51227	3.2E+08	1.1E+08	34.71%	609.683	0.00%	98.38%
378	4908130	4502270	0.91731	146.9	183578	4427687	0.98343	2496702	0.43612	3.4E+08	1.2E+08	34.67%	634.295	0.00%	98.04%

379	4824422	4413134	0.91475	146.981	183578	4329144	0.98097	2360031	0.45485	3.2E+08	1E+08	33.01%	569.756	0.00%	97.48%
380	5251362	4762626	0.90693	147.125	183578	4672795	0.98114	2870749	0.38565	3.8E+08	1.3E+08	34.85%	729.945	0.00%	98.67%
381	4956382	4567088	0.92146	146.816	183578	4481206	0.9812	2535463	0.4342	3.4E+08	1.1E+08	32.08%	594.968	0.00%	97.96%
382	4610444	4237272	0.91906	147.122	183578	4158048	0.9813	2462630	0.40774	3.3E+08	1.2E+08	35.74%	644.264	0.00%	97.98%
383	4784434	4433516	0.92665	147.016	183578	4349641	0.98108	2585051	0.40569	3.5E+08	1.2E+08	33.87%	638.657	0.00%	97.96%
384	4821118	4501298	0.93366	147.051	183578	4433843	0.98501	2476846	0.44138	3.4E+08	1.2E+08	36.93%	678.936	0.00%	97.77%
385	4545260	4252964	0.93569	146.871	183578	4186099	0.98428	2401284	0.42637	3.3E+08	1.2E+08	36.49%	653.278	0.00%	97.75%
386	5201126	4813174	0.92541	146.901	183578	4728361	0.98238	2831672	0.40113	3.8E+08	1.4E+08	36.50%	762.161	0.00%	98.29%
387	3906026	3069302	0.78579	142.753	183578	3004042	0.97874	2630418	0.12437	3.2E+08	1.1E+08	32.56%	573.358	0.00%	97.70%
388	4505456	3545872	0.78702	142.269	183578	3483263	0.98234	2723542	0.21811	3.4E+08	1.1E+08	33.18%	608.485	0.00%	98.61%
389	4022466	3368702	0.83747	142.017	183578	3302374	0.98031	2914990	0.1173	3.6E+08	1.2E+08	32.12%	633.754	0.00%	98.11%
390	4440662	3564010	0.80259	141.718	183578	3457843	0.97021	3148742	0.08939	3.8E+08	7.9E+07	20.66%	430.671	0.00%	96.82%
391	3975788	3266736	0.82166	142.209	183578	3204507	0.98095	2797484	0.12702	3.5E+08	1.2E+08	33.51%	629.833	0.00%	98.10%
392	4052316	3308598	0.81647	142.351	183578	3220598	0.9734	2864032	0.11071	3.5E+08	9.1E+07	25.71%	495.525	0.00%	97.06%
393	3661578	3022790	0.82554	142.078	183578	2965424	0.98102	2567281	0.13426	3.2E+08	1E+08	32.51%	564.129	0.00%	97.81%
394	3776054	3013488	0.79805	141.832	183578	2956175	0.98098	2515988	0.1489	3.1E+08	1E+08	33.39%	565.388	0.00%	98.10%
395	3945254	3173266	0.80432	142.97	183578	3109496	0.9799	2644523	0.14953	3.3E+08	9.8E+07	29.58%	532.652	0.00%	97.81%
396	4156812	3282480	0.78966	142.681	183578	3220192	0.98102	2537818	0.2119	3.2E+08	9.7E+07	30.54%	526.681	0.00%	98.10%
397	3960848	3280876	0.82833	142.813	183578	3213258	0.97939	2781783	0.13428	3.5E+08	1.1E+08	31.47%	593.866	0.00%	97.95%
398	3782634	3136750	0.82925	142.692	183578	3074662	0.98021	2706036	0.11989	3.4E+08	1.1E+08	32.06%	586.582	0.00%	97.74%
399	5587170	5135104	0.91909	150.802	188384	5086191	0.99047	4356141	0.14354	6.1E+08	2.2E+08	36.77%	1192.96	0.16%	96.92%
400	6390836	5863988	0.91756	150.79	188384	5797790	0.98871	4772809	0.17679	6.7E+08	2.4E+08	35.62%	1265.88	0.78%	95.96%
401	5945942	5489578	0.92325	150.787	188384	5434457	0.98996	4376570	0.19466	6.1E+08	2.3E+08	36.99%	1203.12	1.24%	95.46%
402	6778650	6167564	0.90985	150.807	188384	6111240	0.99087	4549834	0.2555	6.4E+08	2.3E+08	36.85%	1245.76	1.23%	95.67%
403	6621902	6038870	0.91195	150.739	188384	5929398	0.98187	5224924	0.11881	7.3E+08	2.1E+08	29.18%	1126.82	0.11%	97.62%
404	6815590	6222632	0.913	150.722	188384	6103451	0.98085	5420180	0.11195	7.5E+08	2.1E+08	27.33%	1091.04	0.36%	97.46%
404	5926684	5235464	0.88337	150.708	188384	5160663	0.98571	3991430	0.22657	5.5E+08	1.8E+08	32.15%	935.194	0.17%	97.37%
404	5520348	4902030	0.88799	150.736	188384	4825441	0.98438	3890460	0.19376	5.4E+08	1.7E+08	31.73%	902.294	0.22%	97.34%
404	7263948	6537688	0.90002	150.732	188384	6404681	0.97966	5503632	0.14069	7.6E+08	2.2E+08	28.77%	1158.27	0.31%	97.43%
404	8289500	7538936	0.90946	150.751	188384	7410850	0.98301	5758675	0.22294	8E+08	2.5E+08	31.60%	1338.44	0.21%	97.65%
404	6539576	5898324	0.90194	150.703	188384	5745398	0.97407	5321677	0.07375	7.4E+08	1.7E+08	23.04%	900.93	0.21%	96.81%
404	7576032	6985962	0.92211	150.719	188384	6868125	0.98313	5453600	0.20596	7.6E+08	2.3E+08	30.72%	1240.76	0.18%	97.55%

404	7032144	6305366	0.89665	150.75	188384	6168736	0.97833	5315856	0.13826	7.3E+08	2E+08	27.55%	1066.32	0.25%	97.16%
404	6244110	5656314	0.90586	150.715	188384	5569018	0.98457	4440109	0.20271	6.2E+08	1.9E+08	30.96%	1011.88	0.22%	97.17%
404	6529596	5795762	0.88761	150.725	188384	5703192	0.98403	4418749	0.22521	6E+08	1.9E+08	32.07%	1024.16	0.24%	97.43%
404	5868110	5173162	0.88157	150.729	188384	5093295	0.98456	3876523	0.2389	5.3E+08	1.6E+08	30.95%	873.975	0.30%	97.30%
405	8909922	7541706	0.84644	143.887	183578	7288078	0.96637	5625523	0.22812	6.9E+08	1.4E+08	20.71%	777.132	0.00%	98.39%
405	7339118	6324796	0.86179	142.574	183578	6116143	0.96701	4731092	0.22646	5.8E+08	1.3E+08	23.16%	727.783	0.00%	98.41%
405	7797358	6701952	0.85952	143.398	183578	6470367	0.96545	5056211	0.21856	6.2E+08	1.4E+08	21.80%	735.608	0.00%	98.37%
405	1.1E+07	9690806	0.84721	143.562	183578	9385378	0.96848	5645163	0.39852	6.9E+08	1.7E+08	23.88%	901.29	0.00%	98.74%
405	1.3E+07	1.1E+07	0.85662	143.066	183578	1.1E+07	0.96713	7252239	0.32084	8.9E+08	2E+08	22.01%	1067.84	0.21%	98.35%
405	8654282	7471382	0.86332	142.819	183578	7204123	0.96423	5785846	0.19687	7.1E+08	1.4E+08	19.07%	736.589	0.15%	97.84%
405	5401728	4641520	0.85927	143.227	183578	4481653	0.96556	3663964	0.18245	4.5E+08	9.8E+07	21.94%	534.777	0.29%	96.98%
405	1.1E+07	9279408	0.84947	143.281	183578	8996952	0.96956	6233556	0.30715	7.6E+08	1.7E+08	22.03%	915.576	0.02%	98.65%
406	4903582	4110784	0.83832	143.559	183578	3974769	0.96691	3498392	0.11985	4.3E+08	9.3E+07	21.70%	504.273	0.00%	96.86%
406	4216146	3620092	0.85863	142.895	183578	3503499	0.96779	2847448	0.18726	3.5E+08	8.9E+07	25.53%	483.445	0.00%	96.79%
406	5415972	4709592	0.86957	143.655	183578	4562058	0.96867	3383106	0.25843	4.2E+08	1.1E+08	25.78%	586.541	0.18%	97.52%
406	3788304	3267924	0.86264	143.378	183578	3160587	0.96715	2533661	0.19836	3.1E+08	7.9E+07	25.48%	430.975	0.22%	96.14%
406	6615848	5659586	0.85546	143.194	183578	5482257	0.96867	4427796	0.19234	5.4E+08	1.2E+08	23.08%	680.151	0.00%	98.08%
406	6929982	6126750	0.88409	142.941	183578	5938298	0.96924	4382411	0.26201	5.4E+08	1.2E+08	21.84%	645.029	0.02%	97.71%
406	4321540	3729484	0.863	143.02	183578	3616226	0.96963	2974270	0.17752	3.6E+08	8.7E+07	24.05%	476.169	0.01%	96.92%
406	4102516	3520924	0.85824	143.135	183578	3402880	0.96647	2917870	0.14253	3.6E+08	7.2E+07	20.13%	391.035	0.54%	94.90%
406	4318410	3734274	0.86473	143.135	183578	3608602	0.96635	2968925	0.17726	3.7E+08	7.6E+07	20.75%	413.767	0.45%	95.30%
406	5028400	4298552	0.85485	143.463	183578	4155286	0.96667	3464168	0.16632	4.2E+08	8.8E+07	20.71%	478.992	0.18%	96.60%
406	4192248	3591878	0.85679	143.296	183578	3475013	0.96746	2907950	0.16318	3.6E+08	8.4E+07	23.71%	459.31	0.02%	96.69%
406	3912502	3386618	0.86559	143.149	183578	3270676	0.96576	2832683	0.13392	3.5E+08	7.8E+07	22.59%	427.038	0.00%	96.30%
407	3819408	3332826	0.8726	142.485	183578	3217706	0.96546	2642853	0.17865	3.2E+08	8E+07	24.81%	436.744	0.42%	95.94%
407	5113706	4422956	0.86492	143.131	183578	4274767	0.9665	3545874	0.17051	4.3E+08	1E+08	23.31%	551.78	0.51%	96.37%
407	4852856	4149522	0.85507	143.447	183578	4007208	0.9657	3213993	0.19795	3.9E+08	9.8E+07	24.90%	532.462	0.41%	96.39%
407	4899978	4200388	0.85723	143.018	183578	4078142	0.9709	3196592	0.21616	3.9E+08	1.1E+08	27.05%	574.149	0.04%	97.46%
407	4505232	4044576	0.89775	143.082	183578	3917139	0.96849	2372153	0.39442	3E+08	7.7E+07	25.80%	420.864	0.49%	95.54%
407	3838702	3366204	0.87691	142.556	183578	3254591	0.96684	2116561	0.34967	2.6E+08	6.1E+07	23.35%	334.082	0.22%	93.74%
407	4379800	3799634	0.86754	142.898	183578	3680911	0.96875	3201736	0.13018	3.9E+08	8.7E+07	22.31%	475.293	0.06%	96.45%
407	5110258	4411596	0.86328	143.514	183578	4262416	0.96618	3355114	0.21286	4.1E+08	1E+08	25.16%	563.643	0.00%	97.30%

407	2834138	2490960	0.87891	142.608	183578	2406525	0.9661	2147801	0.10751	2.6E+08	6.2E+07	23.83%	339.794	0.00%	94.26%
407	4520038	3990764	0.8829	142.423	183578	3853206	0.96553	3183519	0.1738	3.9E+08	9.9E+07	25.39%	539.563	0.02%	97.34%
407	4572776	3930822	0.85961	142.882	183578	3795451	0.96556	3067268	0.19186	3.7E+08	9.3E+07	24.93%	506.904	0.04%	96.99%
407	5096202	4535592	0.88999	142.716	183578	4398656	0.96981	2922549	0.33558	3.6E+08	1.1E+08	29.24%	575.981	0.27%	96.61%
408	9158558	8002636	0.87379	145.825	183578	7856768	0.98177	5687039	0.27616	7.3E+08	2.4E+08	33.30%	1328.41	0.00%	99.36%
409	7741208	6662108	0.8606	145.797	183578	6550024	0.98318	4881938	0.25467	6.3E+08	2.1E+08	34.05%	1160.7	0.00%	99.20%
410	8591772	7655172	0.89099	150.731	183578	7556257	0.98708	6145274	0.18673	8.5E+08	3.2E+08	38.29%	1768.2	0.00%	99.49%
410	7837502	7183238	0.91652	150.696	183578	7102972	0.98883	5512786	0.22388	7.7E+08	2.9E+08	37.02%	1555.83	0.00%	99.45%
410	7696792	6949446	0.9029	150.674	183578	6868968	0.98842	5540729	0.19337	7.7E+08	2.9E+08	37.90%	1589.35	0.00%	99.45%
410	7356548	6690496	0.90946	150.679	183578	6605600	0.98731	5445677	0.1756	7.6E+08	2.7E+08	35.79%	1484.41	0.00%	99.38%
410	8204234	7534414	0.91836	150.676	183578	7459369	0.99004	5646572	0.24302	7.9E+08	3E+08	38.58%	1661.39	0.00%	99.44%
410	8190142	7485682	0.91399	150.688	183578	7387059	0.98683	6161164	0.16595	8.6E+08	3E+08	35.09%	1650.13	0.00%	99.47%
410	8283028	7568898	0.91378	150.672	183578	7474180	0.98749	5945505	0.20453	8.3E+08	2.9E+08	35.38%	1605.49	0.00%	99.52%
410	8933490	8166388	0.91413	150.671	183578	8070402	0.98825	6068190	0.24809	8.5E+08	3E+08	35.56%	1647.69	0.00%	99.46%
410	7781202	7149798	0.91886	150.69	183578	7063226	0.98789	5468912	0.22572	7.7E+08	2.8E+08	36.08%	1506.15	0.00%	99.42%
410	9837116	8879608	0.90266	150.735	183578	8772763	0.98797	6148688	0.29912	8.6E+08	3.3E+08	38.20%	1779.06	0.00%	99.29%
410	7675540	7012956	0.91368	150.711	183578	6928174	0.98791	5390027	0.22201	7.5E+08	2.7E+08	36.35%	1492.12	0.00%	98.98%
413	1.4E+07	1.2E+07	0.88595	147.063	183578	1.2E+07	0.9822	7536947	0.36123	1E+09	2.7E+08	26.60%	1471.78	0.00%	99.25%
414	1.3E+07	1.1E+07	0.87736	147.039	183578	1.1E+07	0.98232	7238471	0.33368	9.7E+08	2.6E+08	27.00%	1429.77	0.00%	99.29%
415	1.9E+07	1.6E+07	0.88991	150.711	183578	1.6E+07	0.99043	7418931	0.54587	1E+09	4E+08	38.86%	2188.26	0.01%	99.47%
416	1.7E+07	1.5E+07	0.89083	150.685	183578	1.5E+07	0.98547	9459295	0.3754	1.3E+09	4.3E+08	32.88%	2356.21	0.05%	99.18%
417	8744242	7877474	0.90088	150.707	183578	7807848	0.99116	5413612	0.30664	7.5E+08	3E+08	40.61%	1656.75	0.19%	98.55%
418	1E+07	9467582	0.91755	150.67	183578	9352838	0.98788	6157829	0.34161	8.6E+08	3.1E+08	35.43%	1667.49	0.05%	99.12%
419	6984124	6251386	0.89509	146.153	183578	6071488	0.97122	5217797	0.14061	6.9E+08	1.7E+08	24.70%	921.934	0.08%	98.76%
420	6649704	6010166	0.90382	145.964	183578	5886732	0.97946	4824512	0.18044	6.3E+08	1.9E+08	30.00%	1030.46	0.08%	99.03%
421	6661714	6027362	0.90478	146.306	183578	5927207	0.98338	5061182	0.14611	6.7E+08	2.1E+08	31.19%	1139.52	0.00%	99.40%
422	6235890	5552426	0.8904	145.85	183578	5459158	0.9832	4625624	0.15269	6.1E+08	1.9E+08	30.87%	1022.72	0.00%	99.39%
423	5597398	4997374	0.8928	145.77	183578	4900219	0.98056	4400817	0.10191	5.8E+08	1.7E+08	29.16%	917.714	0.00%	99.14%
424	5766186	5237740	0.90835	146.052	183578	5162351	0.98561	4290809	0.16883	5.7E+08	1.9E+08	32.72%	1010.68	0.00%	99.26%
425	6957892	6149676	0.88384	146.059	183578	6046730	0.98326	4654984	0.23017	6.1E+08	1.8E+08	30.35%	1004.56	0.00%	99.52%
426	7049592	6302380	0.89401	144.585	183578	6153683	0.97641	5466606	0.11165	7E+08	2.1E+08	29.30%	1119.59	0.01%	99.13%
427	6678222	5940324	0.88951	144.599	183578	5799939	0.97637	5112779	0.11848	6.5E+08	1.9E+08	29.72%	1056.56	0.02%	98.94%

428	6399004	5733980	0.89607	144.596	183578	5600361	0.9767	5027313	0.10232	6.5E+08	1.8E+08	28.60%	1005.39	0.26%	98.41%
429	6359452	5686568	0.89419	144.397	183578	5545454	0.97518	5014466	0.09575	6.3E+08	1.8E+08	28.05%	969.643	0.12%	98.68%
430	5714322	5109816	0.89421	144.578	183578	4986944	0.97595	4517743	0.09409	5.8E+08	1.7E+08	28.83%	904.111	0.11%	98.48%
431	6534912	5855404	0.89602	144.665	183578	5719664	0.97682	5028028	0.12092	6.5E+08	1.8E+08	28.53%	1005.63	0.34%	98.32%
432	7184676	6405010	0.89148	145.136	183578	6277523	0.9801	5393977	0.14075	6.9E+08	2.3E+08	33.30%	1252.94	0.00%	99.11%
433	8033918	7120360	0.88629	145.135	183578	6991926	0.98196	5590474	0.20044	7.2E+08	2.6E+08	36.41%	1422.91	0.00%	99.33%
434	7645490	6854958	0.8966	144.839	183578	6722665	0.9807	5606193	0.16608	7.2E+08	2.5E+08	35.15%	1383.54	0.00%	99.23%
435	6880198	6102610	0.88698	144.912	183578	5979557	0.97984	4992223	0.16512	6.3E+08	2.2E+08	34.39%	1183.52	0.00%	99.14%
436	7862592	6928928	0.88125	145.112	183578	6750115	0.97419	6348410	0.05951	8.1E+08	2.2E+08	27.22%	1200.27	0.00%	99.02%
437	8139278	7000274	0.86006	145.18	183578	6816392	0.97373	6363135	0.0665	8.1E+08	2.3E+08	28.66%	1258.41	0.00%	99.09%
438	6781174	5882810	0.86752	145.708	183578	5758092	0.9788	5099097	0.11445	6.5E+08	2.2E+08	33.99%	1203.88	0.00%	99.07%
439	6227960	5416280	0.86967	145.485	183578	5302188	0.97894	4664841	0.1202	5.9E+08	2E+08	34.22%	1101.44	0.00%	98.92%
440	3397344	2887094	0.84981	142.813	183578	2781507	0.96343	2615934	0.05953	3.2E+08	8.6E+07	26.56%	466.458	0.00%	97.66%
441	3734098	3009550	0.80596	143.027	183578	2896812	0.96254	2631695	0.09152	3.2E+08	1E+08	31.96%	557.264	0.00%	98.32%
442	3173896	2664116	0.83938	142.872	183578	2568611	0.96415	2415775	0.0595	3E+08	8.2E+07	27.44%	446.042	0.00%	97.33%
443	3267520	2693276	0.82426	142.465	183578	2590626	0.96189	2399962	0.0736	2.9E+08	8.7E+07	29.78%	476.03	0.00%	97.94%
444	4279060	3643080	0.85137	142.927	183578	3518455	0.96579	3223098	0.08395	4E+08	1.2E+08	30.85%	667.253	0.00%	98.26%
445	4269352	3598908	0.84296	142.572	183578	3475340	0.96567	3143630	0.09545	3.9E+08	1.3E+08	33.37%	703.973	0.00%	98.41%
446	4834942	4115802	0.85126	142.905	183578	3983891	0.96795	3536725	0.11224	4.4E+08	1.4E+08	31.62%	758.14	0.00%	98.74%
447	3699020	3130220	0.84623	142.439	183578	3024108	0.9661	2760000	0.08733	3.4E+08	1.1E+08	33.16%	614.958	0.00%	98.39%
449	4064412	3452794	0.84952	142.15	183578	3297767	0.9551	3081562	0.06556	3.8E+08	8E+07	21.08%	435.228	0.00%	97.01%
450	1E+07	9051632	0.89138	146.763	183578	8887972	0.98192	6794092	0.23559	9.2E+08	2.6E+08	28.65%	1435.35	0.00%	99.11%
451	8974216	7874350	0.87744	146.928	183578	7709685	0.97909	6359945	0.17507	8.5E+08	2.3E+08	26.72%	1241.83	0.08%	98.81%
452	8649640	7828166	0.90503	146.756	183578	7697989	0.98337	6027525	0.217	8.2E+08	2.4E+08	29.44%	1313.12	0.00%	98.96%
453	7800324	7058222	0.90486	147.161	183578	6952576	0.98503	5423781	0.21989	7.4E+08	2.4E+08	32.53%	1306.34	0.00%	98.96%
454	9626070	8763892	0.91043	146.938	183578	8617257	0.98327	6577818	0.23667	8.9E+08	2.6E+08	29.13%	1418.04	0.00%	99.05%
455	1E+07	9070692	0.90007	147.21	183578	8931799	0.98469	6628083	0.25792	9E+08	2.8E+08	31.11%	1523.16	0.00%	99.24%
456	7640868	6935794	0.90772	147.096	183578	6835968	0.98561	5104457	0.25329	7E+08	2.3E+08	33.55%	1270.25	0.00%	99.11%
457	9052846	8132526	0.89834	147.168	183578	8011688	0.98514	5523834	0.31053	7.5E+08	2.6E+08	34.66%	1421.3	0.00%	99.18%
458	8322068	7495160	0.90064	147.17	183578	7368423	0.98309	5524782	0.25021	7.5E+08	2.3E+08	30.61%	1251.03	0.00%	99.04%
459	6578316	5987420	0.91018	144.97	183578	5884215	0.98276	4921006	0.16369	6.4E+08	2.1E+08	32.77%	1140.05	0.01%	99.15%
460	6593350	5945068	0.90168	145.109	183578	5840849	0.98247	4863798	0.16728	6.3E+08	2.1E+08	33.19%	1132.46	0.03%	99.03%

461	5949314	5384980	0.90514	145.028	183578	5286612	0.98173	4424089	0.16315	5.7E+08	1.8E+08	32.25%	998.444	0.06%	98.70%
462	5685450	5126292	0.90165	145.107	183578	5032734	0.98175	4232160	0.15907	5.5E+08	1.8E+08	33.43%	997.093	0.08%	98.44%
463	6236268	5570274	0.89321	145.342	183578	5469190	0.98185	4485236	0.17991	5.8E+08	1.8E+08	31.94%	1005.18	0.34%	98.32%
464	5905676	5330822	0.90266	145.361	183578	5238042	0.9826	4459988	0.14854	5.8E+08	1.8E+08	31.66%	993.393	0.45%	98.14%
465	6000332	5372450	0.89536	145.416	183578	5273330	0.98155	4474361	0.15151	5.8E+08	1.9E+08	32.37%	1018.82	0.04%	98.91%
466	5652216	5090524	0.90062	145.043	183578	4996211	0.98147	4285408	0.14227	5.5E+08	1.8E+08	32.62%	981.279	0.00%	98.96%
467	5645184	5114218	0.90594	145.13	183578	5032535	0.98403	4235856	0.15831	5.5E+08	1.9E+08	34.40%	1025.7	0.00%	99.26%
468	7336090	6489278	0.88457	142.983	183578	6345454	0.97784	5063465	0.20203	6.3E+08	1.9E+08	30.64%	1053.12	0.08%	98.99%
469	8454468	7290774	0.86236	142.846	183578	7110721	0.9753	5501500	0.22631	6.7E+08	2E+08	30.07%	1104.08	0.00%	99.16%
470	6452386	5592260	0.8667	143.381	183578	5468810	0.97792	4262654	0.22055	5.3E+08	1.6E+08	30.56%	878.352	0.00%	98.75%
471	7145624	6302918	0.88207	142.686	183578	6154299	0.97642	4567216	0.25788	5.7E+08	1.6E+08	28.33%	875.972	0.00%	98.76%
472	7118786	6077740	0.85376	143.525	183578	5943933	0.97798	4550495	0.23443	5.6E+08	1.8E+08	31.97%	979.075	0.00%	98.86%
473	7449708	6609018	0.88715	142.834	183578	6437857	0.9741	5087802	0.20971	6.3E+08	1.7E+08	27.38%	938.086	0.00%	98.85%
474	8724676	7890248	0.90436	142.455	183578	7693650	0.97508	6036362	0.21541	7.5E+08	2.1E+08	28.29%	1156.5	0.08%	99.14%
475	7525552	6689512	0.88891	142.463	183578	6523955	0.97525	5439989	0.16615	6.7E+08	2E+08	30.39%	1105.94	0.00%	99.29%
476	8592166	7463542	0.86864	142.983	183578	7278531	0.97521	5383143	0.26041	6.6E+08	1.9E+08	28.72%	1039.9	0.00%	99.23%
478	7821426	6849532	0.87574	141.953	183578	6697873	0.97786	5021242	0.25032	6.1E+08	2E+08	33.52%	1112.24	0.00%	99.25%
479	7025310	6232024	0.88708	141.778	183578	6086657	0.97667	4846239	0.20379	5.9E+08	1.8E+08	29.62%	954.505	0.00%	99.09%
480	7567558	6612466	0.87379	143.105	183578	6457966	0.97664	4998727	0.22596	6.2E+08	1.9E+08	30.00%	1008.81	0.00%	99.21%
481	6648678	5831812	0.87714	142.689	183578	5697250	0.97693	4472578	0.21496	5.5E+08	1.7E+08	30.55%	909.422	0.00%	99.07%
482	5819076	5269380	0.90554	145.149	183578	5161568	0.97954	4426476	0.14242	5.7E+08	1.6E+08	28.16%	873.195	0.00%	98.60%
483	5914064	5375114	0.90887	145.364	183578	5291337	0.98441	4287391	0.18973	5.6E+08	2E+08	35.28%	1066.64	0.00%	99.03%
484	5659544	5122710	0.90515	145.241	183578	5042184	0.98428	4311913	0.14483	5.6E+08	1.9E+08	33.79%	1026.08	0.00%	99.04%
485	5424984	4936908	0.91003	145.532	183578	4860557	0.98453	4176483	0.14074	5.4E+08	1.9E+08	34.44%	1017.39	0.00%	98.79%
487	9814356	8854824	0.90223	139.115	183578	8586899	0.96974	7109404	0.17206	8.3E+08	2.4E+08	28.93%	1313.97	0.00%	99.47%
488	7900572	7140994	0.90386	138.417	183578	6948181	0.973	5853295	0.15758	6.8E+08	2.3E+08	33.52%	1241.56	0.00%	99.42%
489	4012022	3478838	0.8671	142.133	183578	3380940	0.97186	3036913	0.10175	3.7E+08	9.9E+07	27.15%	540.651	0.00%	96.93%
490	3785310	3325044	0.87841	141.345	183578	3225572	0.97008	2885802	0.10534	3.5E+08	9.4E+07	27.12%	512.486	0.00%	97.06%
491	4586472	3948826	0.86097	142.161	183578	3835264	0.97124	3382367	0.11809	4.1E+08	1.1E+08	26.80%	593.963	0.00%	97.41%
492	3273266	2851936	0.87128	141.204	183578	2769705	0.97117	2490638	0.10076	3E+08	8.7E+07	28.96%	471.338	0.00%	96.74%
493	3044526	2587846	0.85	142.281	183578	2515172	0.97192	2266604	0.09883	2.7E+08	8.2E+07	30.28%	447.231	0.00%	96.38%
494	6632868	6004524	0.90527	146.359	183578	5859316	0.97582	5075519	0.13377	6.8E+08	1.7E+08	24.46%	901.235	0.00%	98.96%

495	6450088	5891280	0.91336	146.143	183578	5769534	0.97933	4905324	0.14979	6.5E+08	1.7E+08	26.27%	936.652	0.08%	98.87%
496	6962332	6352330	0.91239	146.496	183578	6211774	0.97787	5213962	0.16063	7E+08	1.8E+08	25.45%	966.457	0.00%	98.94%
497	6353596	5800626	0.91297	146.402	183578	5678787	0.979	4839835	0.14773	6.5E+08	1.8E+08	27.12%	953.481	0.00%	99.02%
498	6139052	5627478	0.91667	146.368	183578	5508803	0.97891	4682726	0.14996	6.3E+08	1.7E+08	26.66%	910.597	0.00%	99.02%
499	6861926	6213956	0.90557	146.413	183578	6073524	0.9774	5152569	0.15163	6.9E+08	1.6E+08	23.80%	889.333	0.00%	99.06%
500	5925534	5276660	0.8905	146.863	183578	5159424	0.97778	4398022	0.14758	5.8E+08	1.6E+08	27.35%	869.416	0.00%	99.02%
501	7043272	6307718	0.89557	146.894	183578	6221592	0.98635	5144314	0.17315	6.9E+08	2.4E+08	34.46%	1304.26	0.00%	99.38%
502	7133562	6302920	0.88356	147.127	183578	6218917	0.98667	5100058	0.17991	6.9E+08	2.3E+08	33.99%	1278.59	0.00%	99.52%

26	4866426	3704882	0.80429	121.136	188384	3643822	0.79103	2638273	0.27596	3.5E+08	1.2E+08	35.13%	660.23	0.17%	96.11%
27	3439508	2659924	0.8158	122.863	188384	2615317	0.80212	2059322	0.21259	2.8E+08	9.1E+07	33.07%	484.371	0.27%	95.52%
28	3729470	2323112	0.86933	149.944	188384	2287325	0.9846	1800891	0.21267	2.4E+08	9.2E+07	38.08%	490.388	0.28%	94.80%
29	4261366	3188848	0.7828	117.923	188384	3127545	0.76775	2314998	0.2598	3.1E+08	1E+08	32.56%	534.795	0.19%	95.36%
30	3733316	2867392	0.80557	121.341	188384	2811228	0.78979	2188526	0.22151	2.9E+08	9.7E+07	33.26%	516.484	0.24%	96.03%
31	3868040	2974828	0.81158	122.236	188384	2920703	0.79681	2375060	0.18682	3.2E+08	1.1E+08	33.36%	566.485	0.31%	96.10%
32	3571646	2730918	0.80453	121.159	188384	2675210	0.78812	1954511	0.2694	2.6E+08	8.8E+07	34.06%	468.798	0.32%	95.76%
33	3753340	2829550	0.79952	120.369	188384	2771761	0.78319	2114376	0.23717	2.8E+08	9.5E+07	34.07%	505.229	0.32%	96.21%
34	3716606	2697884	0.76376	115.04	188384	2642714	0.74814	2059440	0.22071	2.7E+08	9.2E+07	34.16%	489.567	0.23%	96.35%
35	3526552	2692628	0.81074	122.077	188384	2640269	0.79497	2147507	0.18663	2.9E+08	9.8E+07	34.44%	521.697	0.22%	95.75%
36	3746392	2799568	0.78959	118.912	188384	2745476	0.77433	2140921	0.2202	2.8E+08	9.9E+07	35.19%	528.118	0.51%	95.05%
37	3603146	2807720	0.81796	123.199	188384	2753214	0.80208	2174839	0.21007	2.9E+08	9.7E+07	33.60%	517.273	0.32%	95.92%
38	3321012	2544116	0.80871	121.782	188384	2493262	0.79255	2021867	0.18907	2.7E+08	9E+07	33.43%	476.853	0.17%	95.75%
39	3487504	2798154	0.84785	127.673	188384	2742012	0.83084	2287567	0.16573	3.1E+08	1E+08	33.68%	551.096	0.17%	95.77%
40	3703848	2838118	0.80183	120.774	188384	2783826	0.78649	2213690	0.2048	3E+08	1.1E+08	35.64%	558.543	0.18%	95.09%
41	3767878	2801530	0.78433	118.106	188384	2745105	0.76853	2298776	0.16259	3E+08	1.1E+08	35.13%	563.339	0.36%	95.08%
42	3423244	2712092	0.82983	124.997	188384	2663845	0.81507	2208245	0.17103	3E+08	1.1E+08	36.24%	571.101	0.24%	95.24%
43	3541844	2755626	0.82072	123.604	188384	2708969	0.80682	2244946	0.17129	3E+08	1.1E+08	36.31%	578.937	0.12%	95.39%
44	3702198	2828492	0.80419	121.121	188384	2779945	0.79039	2148765	0.22705	2.9E+08	1.1E+08	36.95%	563.32	0.36%	95.32%
45	3697600	2832538	0.80112	120.677	188384	2777214	0.78547	2217884	0.2014	3E+08	1E+08	34.83%	549.174	0.14%	95.23%
46	3687138	2877804	0.81906	123.365	188384	2826280	0.8044	2252451	0.20303	3E+08	1.1E+08	36.26%	580.644	0.28%	95.47%
47	3774242	2904282	0.81081	122.119	188384	2850224	0.79571	2211259	0.22418	3E+08	1.1E+08	35.56%	557.874	0.26%	94.94%
48	3420074	2709398	0.8298	124.983	188384	2665780	0.81644	1975266	0.25903	2.7E+08	1E+08	37.84%	536.168	0.22%	95.09%
49	3716550	2953566	0.83915	126.35	188384	2906900	0.8259	2143142	0.26274	2.9E+08	1.1E+08	37.82%	578.064	0.22%	95.52%
50	3762766	2890290	0.80363	121.061	188384	2843824	0.79071	2251133	0.20841	3E+08	1.1E+08	37.44%	594.012	0.46%	94.74%
51	3357320	2571064	0.80733	121.594	188384	2527010	0.79349	2033720	0.19521	2.7E+08	1E+08	37.90%	544.672	0.21%	95.24%
52	3403020	2744938	0.8503	128.051	188384	2702268	0.83708	2133042	0.21065	2.9E+08	1.1E+08	36.78%	562.471	0.24%	95.49%
53	3844716	2858974	0.77791	117.186	188384	2803130	0.76272	1934775	0.30978	2.6E+08	8.8E+07	34.44%	466.868	0.42%	94.58%
54	3462994	2692438	0.81741	123.107	188384	2640555	0.80166	2126988	0.19449	2.8E+08	1E+08	35.28%	531.956	0.26%	94.82%
55	3474862	2668168	0.8082	121.725	188384	2623012	0.79453	1955203	0.2546	2.6E+08	1E+08	38.72%	534.347	0.20%	95.14%
56	3300480	2471728	0.78424	118.12	188384	2432358	0.77175	1810163	0.2558	2.4E+08	9.2E+07	38.68%	490.439	0.11%	94.78%
57	3400548	2652606	0.82053	123.566	188384	2615846	0.80916	1966637	0.24818	2.6E+08	1E+08	39.39%	550.799	0.19%	95.41%

58	3339706	2601098	0.81691	123.04	188384	2560159	0.80405	2004647	0.21698	2.7E+08	1.1E+08	39.63%	566.104	0.34%	95.25%
59	3524968	2770742	0.82873	124.801	188384	2732326	0.81724	2137612	0.21766	2.9E+08	1.1E+08	39.44%	597.876	0.17%	95.71%
60	3283140	2388214	0.7677	115.623	188384	2350882	0.7557	1839715	0.21744	2.4E+08	9.5E+07	39.42%	504.244	0.27%	94.76%
61	3500390	2674046	0.79879	120.323	188384	2630473	0.78578	1944768	0.26068	2.6E+08	1E+08	39.21%	538.076	0.28%	94.93%
62	3355918	2505014	0.78531	118.272	188384	2458129	0.77061	1928130	0.21561	2.5E+08	9.6E+07	38.00%	512.234	0.20%	94.87%
63	4101238	3160204	0.81215	122.313	188384	3105386	0.79806	2205795	0.28969	2.9E+08	1.1E+08	36.95%	573.441	0.18%	95.51%
64	3025692	2329204	0.80668	121.499	188384	2295434	0.79499	1690385	0.26359	2.3E+08	9.2E+07	40.48%	485.947	0.43%	94.58%
65	3251354	2453830	0.79809	120.168	188384	2419227	0.78684	1740642	0.2805	2.3E+08	9.3E+07	40.42%	494.812	0.37%	94.56%
66	3471598	2639222	0.79716	120.072	188384	2601219	0.78568	1890228	0.27333	2.5E+08	1E+08	40.71%	540.467	0.20%	95.17%
67	3104732	2473646	0.84318	126.966	188384	2442859	0.83269	1909916	0.21816	2.6E+08	1E+08	39.65%	542.934	0.22%	95.18%
68	3175262	2365058	0.78765	118.62	188384	2328448	0.77546	1743848	0.25107	2.3E+08	9.1E+07	39.89%	485.497	0.31%	94.71%
69	3252314	2392516	0.77274	116.391	188384	2349589	0.75887	1757850	0.25185	2.3E+08	8.8E+07	38.25%	469.271	0.17%	94.49%
70	3125774	2453388	0.82558	124.332	188384	2412425	0.8118	1848294	0.23384	2.5E+08	9.6E+07	39.05%	511.384	0.31%	94.75%
71	3055442	2457430	0.85061	128.076	188384	2423142	0.83874	1786895	0.26257	2.4E+08	9.4E+07	39.00%	498.318	0.20%	94.81%
72	3350346	2561594	0.80456	121.151	188384	2522309	0.79222	1945844	0.22855	2.6E+08	1E+08	39.66%	545.428	0.32%	95.21%
73	3485858	2768468	0.84018	126.489	188384	2725975	0.82728	2134766	0.21688	2.9E+08	1.1E+08	38.57%	584.322	0.30%	95.49%
74	3565612	2752406	0.81258	122.371	188384	2710323	0.80016	2092089	0.2281	2.8E+08	1.1E+08	40.13%	595.166	0.18%	95.49%
75	3271254	2494716	0.80692	121.51	188384	2455688	0.79429	2031346	0.1728	2.7E+08	1.1E+08	39.54%	564.54	0.27%	95.21%
76	3292054	2310890	0.75219	113.231	188384	2254331	0.73378	1955390	0.13261	2.5E+08	7.4E+07	29.22%	393.868	0.23%	92.86%
77	3495908	2708308	0.81359	122.533	188384	2662228	0.79974	2094621	0.21321	2.8E+08	1.1E+08	38.47%	569.184	0.23%	95.24%
78	3498404	2677344	0.80763	121.612	188384	2631889	0.79392	2107420	0.19927	2.8E+08	1.1E+08	37.68%	559.076	0.20%	95.39%
79	3032072	2404096	0.8386	126.275	188384	2361677	0.8238	1897882	0.19638	2.6E+08	9.4E+07	36.85%	501.603	0.27%	95.32%
80	3352998	2621572	0.82133	123.683	188384	2587006	0.8105	1870018	0.27715	2.5E+08	1E+08	40.66%	541.382	0.35%	95.23%
81	3406900	2677076	0.82742	124.595	188384	2636659	0.81493	1933147	0.26682	2.6E+08	1E+08	40.23%	554.68	0.38%	95.47%
82	3447100	2763396	0.8412	126.692	188384	2725901	0.82979	2037195	0.25265	2.7E+08	1.1E+08	40.39%	587.471	0.43%	95.09%
83	3710056	2929186	0.83546	125.803	188384	2886782	0.82336	2176424	0.24607	2.9E+08	1.1E+08	38.96%	606.338	0.20%	95.00%
84	3024112	2332564	0.81455	122.664	188384	2297509	0.8023	1849860	0.19484	2.5E+08	9.6E+07	39.29%	512.064	0.34%	95.52%
85	3315020	1966010	0.82377	149.956	188384	1935587	0.98453	1581461	0.18296	2.1E+08	8.3E+07	39.79%	442.769	0.38%	93.68%
86	3872324	2287568	0.83267	149.914	188384	2257107	0.98668	1720384	0.23779	2.3E+08	8.9E+07	38.60%	470.588	0.23%	94.29%
87	3161486	1715256	0.77121	149.94	188384	1657085	0.96609	547902	0.66936	7.2E+07	1.4E+07	20.04%	76.1844	1.47%	27.36%
88	3541760	1993952	0.78261	149.972	188384	1960083	0.98301	1469978	0.25004	1.9E+08	7.5E+07	38.69%	396.793	0.38%	93.17%
89	3454912	1876918	0.76475	149.932	188384	1845284	0.98315	1422967	0.22886	1.9E+08	7.3E+07	39.20%	385.985	0.36%	92.67%

90	3303174	1995850	0.84077	149.974	188384	1962507	0.98329	1514199	0.22844	2E+08	7.8E+07	38.30%	414.037	0.33%	92.90%
91	3428130	2010692	0.82609	149.954	188384	1978540	0.98401	1555136	0.214	2.1E+08	7.9E+07	38.28%	420.85	0.29%	93.09%
92	3085292	1837472	0.83768	149.939	188384	1807150	0.9835	1473448	0.18466	2E+08	7.5E+07	38.32%	400.241	0.31%	93.26%
93	3280120	2502406	0.7988	120.318	188384	2456486	0.78414	1881505	0.23407	2.5E+08	9E+07	36.07%	480.278	0.38%	94.74%
94	3441368	1854588	0.75425	149.964	188384	1820730	0.98174	1383513	0.24013	1.8E+08	6.9E+07	38.39%	365.976	0.40%	92.39%
95	3434856	1967588	0.80551	149.946	188384	1934032	0.98295	1561298	0.19272	2.1E+08	7.9E+07	37.97%	417.309	0.40%	93.22%
96	2990400	2455158	0.86493	130.232	188384	2413752	0.85034	2090376	0.13397	2.8E+08	1.1E+08	37.43%	558.237	0.17%	95.24%
97	2566610	2020510	0.82597	124.39	188384	1987545	0.81249	1687434	0.151	2.3E+08	8.9E+07	39.46%	472.848	0.26%	94.29%
98	2557746	1991362	0.82012	123.508	188384	1952440	0.80409	1767283	0.09483	2.4E+08	8.9E+07	37.70%	470.395	0.32%	95.49%
99	3189424	2449992	0.81262	122.354	188384	2408958	0.799	2037120	0.15436	2.7E+08	1E+08	37.75%	543.287	0.18%	94.58%
100	3185300	2477732	0.81344	122.524	188384	2434588	0.79927	2005212	0.17636	2.7E+08	1E+08	38.80%	550.105	0.39%	95.14%
101	2817166	2135974	0.79565	119.832	188384	2100073	0.78228	1802607	0.14165	2.4E+08	9.3E+07	39.21%	492.969	0.45%	94.78%
102	2958458	2145682	0.76302	114.912	188384	2106590	0.74912	1776456	0.15671	2.3E+08	9.3E+07	40.55%	495.285	0.45%	95.41%
103	2838002	2202040	0.81665	122.966	188384	2162109	0.80184	1800258	0.16736	2.4E+08	9.2E+07	38.29%	486.792	0.30%	95.25%
104	4310466	2912898	0.72242	108.728	188384	2854353	0.7079	2104901	0.26256	2.7E+08	1E+08	37.87%	546.033	0.25%	95.71%
105	3779744	2399158	0.89487	149.9	188384	2364679	0.98563	1920978	0.18764	2.6E+08	1E+08	38.74%	537.354	0.27%	95.14%
106	3364362	2518764	0.79016	118.972	188384	2482396	0.77875	1835078	0.26076	2.4E+08	1E+08	40.91%	531.428	0.24%	94.76%
107	2560100	1962858	0.81341	122.453	188384	1932286	0.80074	1499452	0.224	2E+08	8.1E+07	40.67%	430.631	0.28%	94.54%
108	3864436	2962256	0.81591	122.815	188384	2914207	0.80268	2224065	0.23682	3E+08	1.2E+08	38.81%	612.72	0.20%	94.67%
109	4059794	3029568	0.78416	118.087	188384	2975365	0.77013	2370160	0.20341	3.1E+08	1.2E+08	37.57%	618.11	0.27%	94.93%
110	2747814	2090218	0.80862	121.715	188384	2047146	0.79196	1787644	0.12676	2.4E+08	8.6E+07	36.07%	455.426	0.35%	94.87%
111	3534182	2268762	0.90582	149.897	188384	2235054	0.98514	1790585	0.19886	2.4E+08	9.5E+07	38.61%	501.784	0.23%	94.63%
112	3051870	2096422	0.73047	109.977	188384	2059800	0.71771	1707350	0.17111	2.2E+08	8.8E+07	40.16%	467.939	0.35%	95.51%
113	4381630	3020844	0.72183	108.718	188384	2963152	0.70804	2399949	0.19007	3.1E+08	1.2E+08	39.10%	636.294	0.20%	94.58%
114	4281692	3042136	0.75227	113.259	188384	2986600	0.73854	2350301	0.21305	3.1E+08	1.2E+08	39.31%	637.676	0.19%	94.56%
115	2875450	2081430	0.76045	114.533	188384	2041985	0.74604	1741519	0.14714	2.3E+08	8.9E+07	39.04%	471.19	0.40%	95.17%
116	2794178	2022282	0.7657	115.311	188384	1987127	0.75239	1688565	0.15025	2.2E+08	8.9E+07	40.46%	472.51	0.30%	95.18%
117	3163194	2384496	0.79486	119.699	188384	2348276	0.78279	1787452	0.23882	2.3E+08	9.6E+07	40.81%	508.481	0.39%	94.71%
118	3131882	2288150	0.76596	115.359	188384	2251448	0.75367	1831958	0.18632	2.4E+08	9.6E+07	39.78%	507.588	0.33%	94.49%
119	4473204	3079640	0.72584	109.297	188384	3018231	0.71137	2311697	0.23409	3E+08	1.2E+08	39.37%	621.268	0.17%	94.40%
120	3145182	2226986	0.74717	112.525	188384	2185165	0.73314	1836044	0.15977	2.4E+08	9.6E+07	40.51%	509.286	0.39%	95.21%
121	3857134	3072204	0.83201	125.319	188384	3023059	0.8187	2303969	0.23787	3.1E+08	1.2E+08	38.54%	628.055	0.17%	95.49%

122	4520266	3374014	0.78366	118.022	188384	3308823	0.76852	2641363	0.20172	3.5E+08	1.3E+08	36.41%	673.014	0.28%	95.49%
123	3478054	2852240	0.86149	129.738	188384	2801928	0.84629	2336749	0.16602	3.2E+08	1.2E+08	36.11%	610.645	0.35%	92.86%
124	4655204	3289310	0.74769	112.605	188384	3231272	0.7345	2362363	0.26891	3.1E+08	1.2E+08	38.51%	630.929	0.19%	95.02%
125	3386440	2518886	0.78198	117.773	188384	2477203	0.76904	1791204	0.27692	2.4E+08	9.5E+07	40.26%	503.8	0.26%	95.26%
126	3464938	2462932	0.74319	111.942	188384	2416815	0.72928	1888675	0.21853	2.5E+08	9.3E+07	37.86%	496.111	0.34%	95.00%
127	3950016	2964456	0.78531	118.278	188384	2906858	0.77005	2329467	0.19863	3.1E+08	1.2E+08	38.13%	622.403	0.25%	94.64%
128	3758122	2743640	0.76989	115.952	188384	2683429	0.75299	2282249	0.1495	3E+08	1.1E+08	36.55%	580.953	0.29%	95.03%
129	3327556	2040610	0.85763	149.936	188384	2012049	0.986	1589701	0.20991	2.1E+08	8.5E+07	39.80%	452.608	0.33%	94.63%
130	4334102	3216460	0.77971	117.416	188384	3149126	0.76339	2469837	0.21571	3.2E+08	1.2E+08	37.71%	649.269	0.24%	94.84%
131	5231358	4118798	0.83724	126.012	188384	4037991	0.82081	3127889	0.22538	4.2E+08	1.5E+08	35.55%	788.526	0.25%	94.86%
132	4122830	3102458	0.79199	119.268	188384	3042651	0.77672	2308795	0.24119	3.1E+08	1.1E+08	37.63%	609.408	0.24%	95.56%
133	3878786	3017652	0.82456	124.139	188384	2967342	0.81081	2151097	0.27508	2.9E+08	1.1E+08	38.83%	591.531	0.07%	95.46%
134	3196660	2310004	0.7673	115.526	188384	2259068	0.75038	1875057	0.16999	2.4E+08	8.6E+07	35.07%	455.36	0.30%	94.50%
135	3466340	2580742	0.78306	117.922	188384	2527833	0.767	2071470	0.18054	2.7E+08	9.6E+07	35.26%	511.635	0.41%	95.52%
136	3755054	2787564	0.78805	118.625	188384	2734418	0.77302	2152203	0.21292	2.8E+08	1E+08	35.71%	537.22	0.32%	94.92%
137	3882714	2842848	0.77508	116.704	188384	2781087	0.75824	2381042	0.14384	3.1E+08	1.1E+08	36.76%	606.437	0.08%	95.79%
138	3880440	3016032	0.81466	122.685	188384	2962923	0.80031	2299325	0.22397	3.1E+08	1.2E+08	37.84%	616.616	0.19%	94.45%
139	4692286	3425236	0.77137	116.133	188384	3371948	0.75937	2309321	0.31514	3E+08	1.2E+08	40.28%	648.887	0.34%	94.81%
140	4082370	3155410	0.80986	121.975	188384	3101689	0.79607	2329274	0.24903	3.1E+08	1.2E+08	38.76%	637.882	0.27%	95.02%
141	3852462	2443968	0.89977	149.886	188384	2402996	0.98324	1802860	0.24974	2.5E+08	9.1E+07	36.97%	483.658	0.40%	94.58%
142	3982290	2750188	0.73306	110.396	188384	2696505	0.71875	1963116	0.27198	2.6E+08	1E+08	39.89%	541.005	0.23%	95.01%
144	4066158	2950698	0.75905	114.328	188384	2890730	0.74363	2149956	0.25626	2.8E+08	1E+08	36.97%	549.483	0.27%	95.46%
145	3816480	2616214	0.72119	108.597	188384	2569279	0.70826	1881272	0.26778	2.4E+08	9.5E+07	39.35%	505.872	0.27%	94.50%
146	3523340	2350358	0.7057	106.265	188384	2305524	0.69224	1818125	0.2114	2.3E+08	9.5E+07	40.75%	502.573	0.31%	96.19%
147	3460460	2700722	0.81781	123.162	188384	2656254	0.80434	2087967	0.21394	2.8E+08	1.1E+08	39.84%	587.099	0.10%	96.08%
148	4089244	3285230	0.84798	127.669	188384	3230540	0.83387	2330912	0.27848	3.1E+08	1.2E+08	39.69%	659.135	0.15%	94.91%
149	3615232	2031428	0.79128	149.906	188384	1998698	0.98389	1499185	0.24992	2E+08	8.3E+07	42.45%	442.295	0.43%	94.32%
150	3662116	2761590	0.78985	118.968	188384	2714805	0.77647	2107560	0.22368	2.8E+08	1.1E+08	40.06%	591.282	0.37%	94.64%
151	4363204	3273872	0.79156	119.206	188384	3215261	0.77738	2481473	0.22822	3.3E+08	1.3E+08	39.17%	678.434	0.27%	95.99%
152	4792688	3492074	0.76963	115.898	188384	3425344	0.75492	2548184	0.25608	3.3E+08	1.2E+08	37.21%	655.414	0.24%	96.04%
153	3542762	2800220	0.82773	124.67	188384	2749513	0.81274	2218192	0.19324	3E+08	1.1E+08	37.82%	595.016	0.16%	94.64%
154	3380882	2634390	0.82006	123.491	188384	2589292	0.80603	2002491	0.22663	2.7E+08	1E+08	38.91%	550.099	0.25%	95.38%

155	3471086	2740372	0.83174	125.253	188384	2696403	0.81839	2240824	0.16896	3E+08	1.2E+08	38.59%	612.597	0.40%	95.31%
156	2795640	2067978	0.77625	116.895	188384	2036127	0.7643	1618211	0.20525	2.1E+08	8.5E+07	40.10%	451.499	0.37%	94.48%
157	3389734	2576908	0.79989	120.441	188384	2540335	0.78853	1900330	0.25194	2.5E+08	1E+08	41.39%	551.185	0.21%	96.22%
158	3528358	2496974	0.7438	112.012	188384	2456404	0.73172	1772677	0.27834	2.3E+08	9.3E+07	40.54%	493.728	0.28%	94.46%
159	4998046	2763166	0.75653	150.006	188384	2712052	0.9815	2045313	0.24584	2.6E+08	1E+08	39.05%	548.801	0.30%	95.27%
160	3484442	2573542	0.78086	117.581	188384	2531547	0.76811	1993178	0.21266	2.6E+08	1.1E+08	40.27%	558.334	0.16%	94.92%
161	4121424	3010000	0.771	116.101	188384	2957901	0.75765	2318371	0.21621	3E+08	1.2E+08	40.01%	643.274	0.16%	96.01%
162	3339112	2603360	0.81637	122.962	188384	2553184	0.80064	2082482	0.18436	2.8E+08	1E+08	37.53%	550.071	0.31%	96.40%
163	3728004	2276294	0.84617	149.996	188384	2233732	0.9813	1743790	0.21934	2.3E+08	8.9E+07	38.29%	472.761	0.27%	94.36%
164	3393434	2584398	0.80143	120.684	188384	2539575	0.78753	2060635	0.18859	2.7E+08	1.1E+08	39.16%	562.762	0.18%	96.12%
165	3354324	2569854	0.80928	121.854	188384	2533614	0.79786	1972928	0.2213	2.6E+08	1E+08	39.91%	557.115	0.34%	96.15%
166	2749222	2138828	0.81626	122.926	188384	2105264	0.80345	1635786	0.223	2.2E+08	9.1E+07	41.59%	482.485	0.30%	95.19%
167	3111672	2311224	0.78749	118.549	188384	2274888	0.77511	1688163	0.25791	2.2E+08	9.1E+07	41.25%	484.003	0.31%	95.47%
168	3361344	2535848	0.79329	119.465	188384	2500265	0.78216	1911271	0.23557	2.5E+08	1.1E+08	41.71%	559.001	0.20%	95.96%
169	3320960	2438486	0.78024	117.474	188384	2395268	0.76641	1887782	0.21187	2.5E+08	9.6E+07	38.62%	507.585	0.25%	95.59%
170	3252904	2484470	0.80923	121.837	188384	2445310	0.79647	1899839	0.22307	2.5E+08	1E+08	40.45%	540.143	0.21%	96.04%
171	3093692	2263182	0.76893	115.791	188384	2226569	0.75649	1787130	0.19736	2.3E+08	9.2E+07	39.38%	490.281	0.29%	96.81%
172	3094316	2349742	0.80148	120.68	188384	2305268	0.78631	1869398	0.18908	2.5E+08	9.4E+07	38.05%	497.354	0.27%	95.98%
173	3215588	2463074	0.81343	122.459	188384	2415035	0.79757	1989907	0.17603	2.6E+08	9.6E+07	36.17%	508.162	0.34%	96.07%
174	3273734	2510916	0.80914	121.816	188384	2471091	0.7963	1929619	0.21912	2.6E+08	1E+08	40.11%	547.447	0.28%	94.74%
175	4224520	2320960	0.78365	149.869	188384	2282422	0.9834	1873309	0.17925	2.5E+08	9.7E+07	39.45%	513.954	0.23%	95.10%
176	4149776	2254910	0.76108	149.93	188384	2219863	0.98446	1817947	0.18105	2.3E+08	9.3E+07	39.92%	495.705	0.46%	94.88%
177	4311382	2427560	0.79965	149.905	188384	2391361	0.98509	1983858	0.17041	2.6E+08	1E+08	39.66%	549.302	0.18%	95.40%
178	3693864	2042002	0.78708	149.903	188384	2006690	0.98271	1651522	0.17699	2.1E+08	8.7E+07	40.55%	460.162	0.39%	94.36%
179	4339624	2349600	0.75623	149.932	188384	2297490	0.97782	1922219	0.16334	2.5E+08	8.8E+07	35.46%	468.928	0.25%	94.57%
180	3850264	2776298	0.76352	114.943	188384	2725005	0.74941	2121958	0.2213	2.8E+08	1.1E+08	39.00%	573.665	0.17%	95.69%
181	4811618	2643630	0.78074	149.896	188384	2602785	0.98455	2078329	0.2015	2.7E+08	1.1E+08	40.15%	576.409	0.36%	95.66%
182	3841502	2280796	0.8287	149.925	188384	2254669	0.98854	1756964	0.22074	2.3E+08	9.7E+07	41.63%	517.395	0.35%	95.19%
183	3499478	2678928	0.8103	121.98	188384	2647881	0.80091	1830434	0.30872	2.4E+08	1E+08	41.54%	538.417	0.22%	95.08%
184	4268388	2405900	0.78533	149.939	188384	2374382	0.9869	1799521	0.24211	2.3E+08	1E+08	43.09%	537.364	0.25%	95.06%
185	3801324	2098572	0.78121	149.9	188384	2069811	0.98629	1631271	0.21187	2.1E+08	8.8E+07	41.59%	468.237	0.25%	94.79%
186	4417406	2444732	0.78425	149.909	188384	2411755	0.98651	1861182	0.22829	2.4E+08	1E+08	41.75%	539.77	0.28%	95.19%

187	4649536	3448110	0.77957	117.373	188384	3402655	0.76929	2238188	0.34222	2.9E+08	1.3E+08	42.57%	665.059	0.18%	96.07%
188	3345090	2565660	0.80937	121.85	188384	2532313	0.79886	1547888	0.38875	2.1E+08	8.7E+07	42.34%	462.061	0.26%	95.81%
189	3580924	2612204	0.77167	116.181	188384	2571376	0.75961	1907163	0.25831	2.5E+08	1.1E+08	42.80%	566.07	0.27%	95.60%
190	3107968	2380564	0.8038	121.044	188384	2340613	0.79031	1857347	0.20647	2.5E+08	9.4E+07	38.05%	498.297	0.22%	95.89%
191	3227898	2439926	0.79704	120.011	188384	2400977	0.78432	1808416	0.2468	2.4E+08	9.3E+07	38.73%	492.313	0.26%	94.94%
192	3200446	2344634	0.76864	115.764	188384	2306388	0.7561	1732868	0.24867	2.3E+08	9.2E+07	40.49%	489.184	0.32%	95.84%
193	3119604	2263478	0.76743	115.564	188384	2223757	0.75396	1684995	0.24228	2.2E+08	8.9E+07	40.39%	471.132	0.29%	95.37%
194	3263128	2378738	0.76837	115.713	188384	2336292	0.75466	1803301	0.22814	2.3E+08	9.4E+07	39.94%	496.556	0.27%	95.79%
195	3518214	2174082	0.86259	149.935	188384	2145149	0.98669	1630849	0.23975	2.2E+08	9.1E+07	41.36%	481.447	0.25%	94.69%
196	3600960	1925384	0.7498	149.961	188384	1895988	0.98473	1457769	0.23113	1.9E+08	7.9E+07	42.46%	418.049	0.21%	93.72%
197	3478658	2644108	0.79513	119.759	188384	2601375	0.78228	1906668	0.26705	2.5E+08	1E+08	39.76%	531.352	0.21%	96.20%
198	3107606	2241852	0.75631	113.907	188384	2202354	0.74299	1661264	0.24569	2.1E+08	8.7E+07	40.48%	460.544	0.38%	95.26%
199	3901842	2344798	0.83511	149.957	188384	2306315	0.98359	1916743	0.16892	2.5E+08	1E+08	39.51%	532.536	0.29%	95.16%
200	3412876	2486588	0.76884	115.782	188384	2445199	0.75604	1874164	0.23353	2.4E+08	9.7E+07	40.08%	516.668	0.12%	95.56%
201	4546876	2581414	0.79993	149.922	188384	2542655	0.98499	1995192	0.21531	2.7E+08	1.1E+08	40.42%	569.288	0.19%	95.66%
202	3618900	2174618	0.837	149.956	188384	2152291	0.98973	1142217	0.4693	1.5E+08	6.5E+07	42.01%	343.593	0.40%	93.58%
203	3300578	1797630	0.77103	149.941	188384	1773548	0.9866	1319555	0.25598	1.7E+08	7.3E+07	41.81%	386.602	0.36%	93.69%
204	4599526	2905508	0.88736	149.915	188384	2866438	0.98655	2074531	0.27627	2.8E+08	1.1E+08	38.63%	576.739	0.17%	95.45%
205	4638878	2745028	0.82174	149.967	188384	2710383	0.98738	1671193	0.38341	2.2E+08	8.9E+07	39.90%	474.027	0.10%	95.31%
206	3521278	2110000	0.83935	149.935	188384	2074596	0.98322	1681019	0.18971	2.2E+08	8.7E+07	38.97%	462.255	0.30%	94.50%
207	3254256	2086228	0.90007	149.916	188384	2060473	0.98765	1580325	0.23303	2.2E+08	8.6E+07	39.38%	454.834	0.15%	94.41%
208	3679932	2115514	0.80992	149.941	188384	2090141	0.98801	1605516	0.23186	2.1E+08	9E+07	42.07%	478.597	0.20%	94.77%
209	3518848	1880608	0.74896	149.951	188384	1843834	0.98045	1513088	0.17938	1.9E+08	7.3E+07	37.69%	388.238	0.28%	93.37%
210	3562896	2115944	0.83091	149.941	188384	2081111	0.98354	1658780	0.20294	2.2E+08	8.5E+07	38.84%	452.715	0.38%	94.41%
211	4185444	2539978	0.85041	149.917	188384	2499390	0.98402	1873139	0.25056	2.5E+08	9.4E+07	37.02%	496.669	0.30%	95.06%
212	3135972	1858946	0.85366	149.82	188384	1833886	0.98652	1364130	0.25615	1.8E+08	7.4E+07	40.21%	392.054	0.26%	93.56%
213	4331364	2262152	0.73019	149.913	188384	2214609	0.97898	1326515	0.40102	1.7E+08	6.6E+07	39.18%	350.377	0.16%	94.00%
214	4270694	2582780	0.85731	149.893	188384	2546424	0.98592	1825766	0.28301	2.5E+08	9.1E+07	36.73%	484.648	0.15%	95.24%
215	3158618	1905304	0.85751	149.888	188384	1877927	0.98563	1414432	0.24681	1.9E+08	7.5E+07	39.45%	399.9	0.41%	93.73%
216	3313526	1817376	0.77395	149.902	188384	1793523	0.98688	1077431	0.39927	1.4E+08	5.4E+07	37.59%	284.56	0.42%	92.39%
217	3327380	1800204	0.77258	149.872	188384	1771239	0.98391	1342547	0.24203	1.8E+08	7.1E+07	40.48%	377.368	0.23%	92.90%
218	4119020	2222166	0.77441	149.888	188384	2194110	0.98737	1340783	0.38892	1.8E+08	7.6E+07	42.84%	402.102	0.36%	94.22%

219	3962426	1983580	0.7013	149.941	188384	1949773	0.98296	1379973	0.29224	1.8E+08	7.1E+07	39.82%	375.978	0.32%	94.22%
220	3486898	1473120	0.59923	149.935	188384	1448537	0.98331	1017046	0.29788	1.3E+08	5.6E+07	45.03%	299.84	0.55%	91.04%
221	2674442	1483854	0.78714	149.922	188384	1463389	0.98621	805370	0.44965	1.1E+08	4.7E+07	44.40%	249.005	0.35%	89.91%
222	2735274	1608704	0.83445	149.897	188384	1583272	0.98419	1037312	0.34483	1.4E+08	5.6E+07	39.88%	295.039	0.34%	92.28%
223	2961364	1695396	0.79287	149.967	188384	1672170	0.9863	1105320	0.33899	1.5E+08	6.2E+07	42.53%	331.353	0.46%	92.44%
224	2484474	1470300	0.83663	149.912	188384	1451676	0.98733	1090487	0.24881	1.5E+08	6.2E+07	42.13%	328.339	0.36%	92.33%
225	3225750	1617248	0.70586	149.928	188384	1591881	0.98431	1043897	0.34424	1.3E+08	5.5E+07	40.76%	291.788	0.31%	92.06%
226	3037502	1618674	0.74455	149.973	188384	1598968	0.98783	874544	0.45306	1.1E+08	4.4E+07	38.33%	231.64	0.34%	90.89%
227	4026106	2282062	0.79794	149.952	188384	2254976	0.98813	1378149	0.38884	1.8E+08	7.8E+07	42.74%	414.866	0.34%	94.22%
228	4727152	2565812	0.75224	149.971	188384	2526192	0.98456	1470152	0.41804	1.9E+08	7.1E+07	36.62%	375.324	0.28%	94.31%
229	3356354	1863122	0.77414	149.962	188384	1825872	0.98001	1324772	0.27444	1.7E+08	6.2E+07	35.47%	328.038	0.52%	92.12%
230	3020892	1621206	0.76746	149.94	188384	1592732	0.98244	854878	0.46326	1.1E+08	3.8E+07	33.96%	202.847	0.52%	88.42%
231	2327208	1331928	0.8023	149.921	188384	1305528	0.98018	1014837	0.22266	1.3E+08	4.7E+07	35.32%	251.059	0.32%	89.07%
232	3037950	1695122	0.81552	149.822	188384	1658665	0.97849	960401	0.42098	1.3E+08	3.8E+07	30.15%	204.292	0.27%	88.02%
233	3187182	1758852	0.77876	149.929	188384	1726959	0.98187	1257715	0.27172	1.7E+08	5.8E+07	34.80%	306.973	0.20%	91.58%
234	3353634	1854040	0.79768	149.895	188384	1818434	0.9808	1340981	0.26256	1.8E+08	5.8E+07	33.10%	310.014	0.33%	92.35%
235	2177330	1112338	0.7425	149.874	188384	1091575	0.98133	706694	0.35259	9.2E+07	3.2E+07	34.45%	168.856	0.46%	81.13%
236	4217124	2172514	0.72374	149.922	188384	2130323	0.98058	1282798	0.39784	1.7E+08	6E+07	36.04%	316.576	0.35%	92.95%
237	3608454	1634436	0.65611	149.851	188384	1597950	0.97768	922956	0.42241	1.2E+08	4.4E+07	38.14%	235.915	0.38%	89.71%
238	3210372	1871990	0.83282	149.879	188384	1842432	0.98421	1230494	0.33214	1.6E+08	6E+07	36.51%	319.241	0.26%	92.89%
239	3458350	1989828	0.79524	149.967	188384	1963275	0.98666	1284967	0.3455	1.7E+08	6.9E+07	40.38%	364.77	0.32%	93.86%
240	3688022	2101244	0.81034	149.883	188384	2072256	0.9862	1146440	0.44677	1.5E+08	5.6E+07	36.86%	299.754	0.35%	92.95%
241	3632984	2039038	0.78159	149.963	188384	2009258	0.9854	1284856	0.36053	1.7E+08	7E+07	41.11%	371.236	0.27%	93.36%
242	3339956	1974624	0.8348	149.93	188384	1947418	0.98622	1424971	0.26828	1.9E+08	7.6E+07	39.43%	402.412	0.24%	94.04%
243	3823144	2084808	0.76998	149.937	188384	2051077	0.98382	1420817	0.30728	1.9E+08	7.4E+07	39.64%	393.844	0.32%	93.74%
244	4108440	2142358	0.72795	149.96	188384	2112227	0.98594	804502	0.61912	1E+08	3.7E+07	35.67%	197.332	0.41%	89.78%
245	4359920	2408568	0.77238	149.944	188384	2375353	0.98621	1407573	0.40743	1.9E+08	7.7E+07	41.40%	406.921	0.29%	94.15%
246	3554238	1910618	0.76261	149.929	188384	1885896	0.98706	1143761	0.39352	1.5E+08	6.4E+07	42.60%	340.189	0.31%	93.17%
247	3443838	2151824	0.87014	149.945	188384	2121605	0.98596	1530693	0.27852	2.1E+08	8.1E+07	38.89%	429.596	0.28%	94.41%
248	3675000	2129370	0.82592	149.864	188384	2096144	0.9844	1492433	0.28801	2E+08	7.9E+07	39.65%	421.16	0.36%	93.99%
249	3847210	2302788	0.83456	149.948	188384	2268441	0.98508	1595205	0.29678	2.2E+08	8.3E+07	38.64%	443.089	0.18%	94.68%
250	3817832	2143232	0.78104	149.956	188384	2101451	0.98051	1690250	0.19567	2.2E+08	7.9E+07	35.38%	420.451	0.31%	93.83%

251	3106196	1584524	0.72116	149.925	188384	1562841	0.98632	743086	0.52453	9.6E+07	4.1E+07	43.14%	220.235	0.42%	87.21%
252	4501012	4032574	0.89593	147.288	183578	3955851	0.98097	2136962	0.4598	2.9E+08	9E+07	31.54%	490.214	0.00%	97.55%
253	4879376	4499974	0.92224	146.823	183578	4407301	0.97941	2650154	0.39869	3.6E+08	1.2E+08	32.20%	630.639	0.00%	97.58%
254	4689294	4286670	0.91414	147.03	183578	4205978	0.98118	2286453	0.45638	3.1E+08	9.8E+07	31.74%	532.83	0.00%	97.63%
255	4536526	4159020	0.91679	146.994	183578	4078995	0.98076	2593775	0.36411	3.5E+08	1.2E+08	34.35%	654.005	0.00%	97.91%
256	4750230	4423636	0.93125	146.819	183578	4342523	0.98166	2423781	0.44185	3.3E+08	1.1E+08	33.83%	606.972	0.00%	97.65%
257	4111878	3729918	0.90711	147.179	183578	3652489	0.97924	1925139	0.47292	2.6E+08	7.8E+07	30.01%	422.883	0.00%	96.88%
258	4050462	3654466	0.90223	147.209	183578	3588886	0.98205	2068576	0.42362	2.8E+08	9.6E+07	34.54%	522.401	0.00%	97.18%
259	4614936	4256962	0.92243	146.977	183578	4183926	0.98284	2371966	0.43308	3.2E+08	1.1E+08	34.67%	605.381	0.00%	97.63%
260	5106470	4705506	0.92148	147.06	183578	4609024	0.9795	2657862	0.42334	3.6E+08	1.2E+08	32.30%	633.821	0.00%	97.86%
261	4508608	4134364	0.91699	147.005	183578	4050175	0.97964	2450613	0.39494	3.3E+08	1.1E+08	33.56%	603.734	0.00%	97.77%
262	4617436	4247204	0.91982	147.134	183578	4172716	0.98246	2354136	0.43583	3.2E+08	1.1E+08	33.26%	575.083	0.00%	97.77%
263	4942822	4599842	0.93061	146.83	183578	4514291	0.9814	2562004	0.43247	3.5E+08	1.1E+08	32.59%	617.376	0.00%	97.70%
264	4806894	4472776	0.93049	146.786	183578	4380950	0.97947	2296515	0.4758	3.1E+08	1E+08	32.49%	552.779	0.00%	97.68%
265	4502898	4179518	0.92818	147.019	183578	4079641	0.9761	2544656	0.37625	3.4E+08	1E+08	29.11%	544.928	0.00%	97.48%
266	4219782	3917950	0.92847	146.928	183578	3840082	0.98013	2052561	0.46549	2.8E+08	9.5E+07	33.77%	514.949	0.00%	97.04%
267	4568308	4237270	0.92754	146.851	183578	4159845	0.98173	2295445	0.44819	3.1E+08	1.1E+08	35.23%	598.289	0.03%	97.58%
268	4778426	4421984	0.92541	146.931	183578	4327230	0.97857	2692634	0.37775	3.6E+08	1.1E+08	31.53%	624.425	0.00%	97.76%
269	4967748	4610388	0.92806	146.726	183578	4516600	0.97966	2750994	0.39091	3.7E+08	1.2E+08	31.93%	648.477	0.00%	97.96%
270	5565756	5216304	0.93721	146.987	183578	5114496	0.98048	2947058	0.42378	4E+08	1.2E+08	31.04%	676.499	0.00%	98.28%
271	4911540	4446530	0.90532	146.648	183578	4323022	0.97222	2658731	0.38498	3.5E+08	8.9E+07	25.15%	486.118	0.00%	96.94%
272	4701286	4368002	0.92911	146.926	183578	4281908	0.98029	2518667	0.41179	3.4E+08	1.1E+08	32.26%	598.741	0.00%	97.92%
273	4242444	3928444	0.92599	147.029	183578	3835202	0.97626	2611121	0.31917	3.5E+08	1.1E+08	30.32%	583.215	0.00%	97.60%
274	4809450	4424142	0.91989	146.932	183578	4337731	0.98047	2382791	0.45068	3.2E+08	1.1E+08	32.76%	575.468	0.00%	97.52%
275	4718280	4364654	0.92505	146.916	183578	4276850	0.97988	2598053	0.39253	3.5E+08	1.2E+08	33.69%	644.25	0.00%	97.89%
276	5022182	4631130	0.92214	146.979	183578	4523756	0.97681	3030602	0.33007	4.1E+08	1.3E+08	30.57%	681.841	0.00%	97.91%
277	4487762	4117916	0.91759	147.03	183578	4037551	0.98048	2496655	0.38164	3.4E+08	1.1E+08	33.24%	609.386	0.00%	97.85%
278	4601910	4264872	0.92676	147.093	183578	4182392	0.98066	2720390	0.34956	3.7E+08	1.3E+08	34.08%	685.425	0.00%	98.06%
279	4539134	4166034	0.9178	146.957	183578	4083163	0.98011	2555171	0.37422	3.5E+08	1.1E+08	32.76%	616.294	0.00%	97.75%
280	4803454	4480866	0.93284	146.788	183578	4395716	0.981	2777414	0.36815	3.8E+08	1.2E+08	31.00%	635.293	0.00%	98.06%
281	5381520	4914620	0.91324	146.732	183578	4784978	0.97362	3368421	0.29604	4.5E+08	1.2E+08	26.76%	658.42	0.00%	97.96%
282	4661530	4343984	0.93188	146.754	183578	4259403	0.98053	2510208	0.41067	3.4E+08	1.1E+08	32.25%	597.372	0.00%	97.75%

283	4976420	4583204	0.92098	146.954	183578	4494865	0.98073	2741106	0.39017	3.7E+08	1.2E+08	32.78%	662.039	0.00%	98.08%
284	4755370	4322644	0.909	147.076	183578	4224049	0.97719	2636318	0.37588	3.5E+08	1.1E+08	30.97%	596.29	0.00%	97.37%
285	4726542	4348646	0.92005	146.898	183578	4253960	0.97823	2695703	0.36631	3.6E+08	1.2E+08	32.16%	637.908	0.00%	97.74%
286	4702140	4374970	0.93042	146.93	183578	4286810	0.97985	2646749	0.38258	3.6E+08	1.1E+08	31.21%	610.972	0.00%	97.58%
287	4670400	4290790	0.91872	146.639	183578	4182013	0.97465	3031226	0.27518	4.1E+08	1.1E+08	27.70%	614.062	0.00%	97.71%
288	5134046	4717886	0.91894	146.727	183578	4601091	0.97524	3550495	0.22834	4.8E+08	1.4E+08	28.46%	741.378	0.03%	98.26%
289	4896638	4486500	0.91624	146.935	183578	4376548	0.97549	2701888	0.38264	3.6E+08	1.1E+08	29.13%	578.608	0.00%	97.29%
290	4831018	4420562	0.91504	146.757	183578	4311386	0.9753	2757407	0.36044	3.7E+08	1.1E+08	28.83%	582.973	0.08%	97.67%
291	4766878	4387620	0.92044	146.781	183578	4291551	0.9781	2575587	0.39985	3.5E+08	1.1E+08	31.40%	595.646	0.00%	97.65%
292	4667248	4278016	0.9166	147.099	183578	4176100	0.97618	2721808	0.34824	3.7E+08	1.1E+08	30.71%	613.085	0.00%	97.73%
293	4845158	4476704	0.92395	146.962	183578	4383703	0.97923	2654691	0.39442	3.6E+08	1.2E+08	32.21%	628.976	0.00%	97.84%
294	5128480	4784408	0.93291	147.062	183578	4691982	0.98068	2960473	0.36904	4E+08	1.3E+08	32.30%	709.673	0.00%	98.09%
295	4481628	4160188	0.92828	146.999	183578	4071040	0.97857	2543561	0.37521	3.4E+08	1.1E+08	31.51%	591.95	0.00%	97.76%
296	4898046	4465980	0.91179	146.981	183578	4369269	0.97834	2807021	0.35755	3.8E+08	1.2E+08	31.52%	648.259	0.00%	98.02%
297	4821896	4457208	0.92437	146.964	183578	4346803	0.97523	2995751	0.31082	4E+08	1.2E+08	28.45%	626.893	0.00%	97.77%
298	4471492	4071834	0.91062	147.13	183578	3987681	0.97933	2431600	0.39022	3.3E+08	1.1E+08	32.30%	573.99	0.00%	97.86%
299	4728524	4372552	0.92472	147.002	183578	4289344	0.98097	2646494	0.38301	3.6E+08	1.2E+08	33.04%	645.667	0.00%	97.97%
300	4890960	4455952	0.91106	147.023	183578	4364213	0.97941	2435383	0.44197	3.3E+08	1.1E+08	32.18%	576.416	0.23%	97.30%
301	4163344	3849532	0.92463	146.986	183578	3766264	0.97837	2265304	0.39853	3.1E+08	1E+08	32.79%	547.473	0.00%	97.47%
302	4667716	4322610	0.92607	147.065	183578	4238624	0.98057	2653755	0.37391	3.6E+08	1.2E+08	33.61%	660.323	0.00%	98.07%
303	4596084	4261826	0.92727	146.633	183578	4173386	0.97925	2288850	0.45156	3.1E+08	9.6E+07	30.87%	523.003	0.00%	97.19%
304	4582186	4265450	0.93088	146.666	183578	4174362	0.97865	2393994	0.4265	3.2E+08	9.8E+07	30.31%	534.99	0.00%	97.25%
305	3877892	3517762	0.90713	145.685	183578	3427911	0.97446	2371424	0.3082	3.1E+08	9.3E+07	29.82%	505.926	0.00%	96.90%
306	3765772	3440200	0.91354	146.079	183578	3368254	0.97909	2075354	0.38385	2.7E+08	9.5E+07	34.62%	517.326	0.00%	97.04%
307	4071664	3700120	0.90875	145.78	183578	3615168	0.97704	2252436	0.37695	3E+08	1E+08	33.78%	545.26	0.00%	97.18%
308	4203424	3778146	0.89883	145.877	183578	3689239	0.97647	2359701	0.36038	3.1E+08	1E+08	33.19%	554.413	0.01%	97.10%
309	3818330	3435416	0.89972	145.988	183578	3360418	0.97817	2226133	0.33754	2.9E+08	1E+08	35.54%	561.458	0.00%	97.42%
310	3914116	3546144	0.90599	145.847	183578	3467436	0.9778	2309069	0.33407	3E+08	1E+08	34.17%	561.768	0.00%	97.53%
311	4147656	3616032	0.87183	145.801	183578	3512893	0.97148	2232861	0.36438	2.9E+08	8.5E+07	29.66%	463.259	0.00%	96.83%
312	4098198	3715642	0.90665	145.325	183578	3618659	0.9739	2398763	0.33711	3.1E+08	9.4E+07	30.22%	513.974	0.00%	96.90%
313	4181196	3764012	0.90022	145.711	183578	3671357	0.97538	2357982	0.35774	3.1E+08	1E+08	32.92%	552.515	0.00%	97.36%
314	4012422	3602858	0.89793	145.872	183578	3531434	0.98018	2239118	0.36595	2.9E+08	1.1E+08	36.71%	583.566	0.00%	97.35%

315	4134802	3747176	0.90625	145.867	183578	3671140	0.97971	2394561	0.34773	3.1E+08	1.1E+08	35.82%	608.001	0.00%	97.66%
316	3743298	3407200	0.91021	146.012	183578	3340394	0.98039	2195870	0.34263	2.9E+08	1E+08	36.13%	566.194	0.00%	97.56%
317	3644712	3330392	0.91376	146.15	183578	3262501	0.97961	2187248	0.32958	2.9E+08	1.1E+08	36.70%	574.705	0.00%	97.30%
318	3552088	3244242	0.91333	145.993	183578	3179812	0.98014	2094490	0.34132	2.7E+08	9.7E+07	35.50%	530.053	0.00%	97.11%
319	3786836	3452618	0.91174	145.929	183578	3382172	0.9796	2330228	0.31103	3E+08	1.1E+08	36.05%	598.451	0.00%	97.53%
320	3430776	3165158	0.92258	145.711	183578	3097739	0.9787	2122092	0.31495	2.8E+08	9.8E+07	35.28%	533.884	0.00%	97.28%
321	4120594	3730034	0.90522	145.919	183578	3645174	0.97725	2319625	0.36364	3E+08	1E+08	33.61%	557.159	0.00%	97.04%
322	3600012	3298308	0.91619	145.818	183578	3230473	0.97943	1999414	0.38108	2.6E+08	9.5E+07	36.13%	518.813	0.00%	96.81%
323	3748582	3390862	0.90457	146.055	183578	3321288	0.97948	2047434	0.38354	2.7E+08	1E+08	37.38%	544.564	0.00%	97.18%
324	5047102	4550800	0.90167	145.997	183578	4443449	0.97641	3111261	0.29981	4.1E+08	1.4E+08	33.56%	741.861	0.00%	98.34%
325	4020090	3667946	0.9124	145.92	183578	3593315	0.97965	2532239	0.29529	3.3E+08	1.2E+08	35.95%	650.826	0.00%	97.72%
326	4297960	3943516	0.91753	145.878	183578	3856329	0.97789	2679755	0.3051	3.5E+08	1.1E+08	32.28%	619.826	0.00%	97.83%
327	4031796	3621720	0.89829	146.017	183578	3544775	0.97875	2571526	0.27456	3.3E+08	1.2E+08	35.09%	637.943	0.00%	97.87%
328	4041842	3688048	0.91247	145.927	183578	3607911	0.97827	2509883	0.30434	3.3E+08	1.1E+08	34.79%	619.115	0.00%	97.99%
329	4079892	3703688	0.90779	145.721	183578	3619784	0.97735	2475923	0.316	3.3E+08	1.1E+08	32.96%	583.892	0.19%	97.21%
330	4030874	3524472	0.87437	146.431	183578	3453239	0.97979	2142898	0.37945	2.8E+08	9.3E+07	33.61%	506.987	0.00%	97.64%
331	3863426	3535704	0.91517	145.887	183578	3473896	0.98252	2258182	0.34996	3E+08	1.1E+08	38.53%	624.382	0.00%	97.74%
332	4090908	3652670	0.89288	145.985	183578	3568231	0.97688	2564628	0.28126	3.3E+08	1.1E+08	34.43%	621.006	0.00%	97.80%
333	3078982	2763048	0.89739	145.831	183578	2706596	0.97957	1951326	0.27905	2.5E+08	9E+07	35.63%	490.29	0.00%	96.80%
334	4120948	3745738	0.90895	145.947	183578	3669910	0.97976	2545496	0.30639	3.3E+08	1.2E+08	34.70%	628.084	0.00%	97.59%
335	3566206	3189540	0.89438	146.05	183578	3124566	0.97963	2227771	0.28701	2.9E+08	1.1E+08	37.76%	593.986	0.00%	97.58%
336	4291414	3874968	0.90296	145.754	183578	3800317	0.98074	2385845	0.3722	3.1E+08	1.2E+08	37.25%	631.38	0.00%	97.77%
337	4111276	3655370	0.88911	146.046	183578	3580274	0.97946	2177318	0.39186	2.8E+08	9E+07	31.80%	489.701	0.08%	97.64%
338	3991856	3485112	0.87306	146.291	183578	3420644	0.9815	2142283	0.37372	2.8E+08	1E+08	36.49%	546.943	0.00%	97.46%
339	4373540	3821548	0.87379	146.386	183578	3752054	0.98182	2223186	0.40747	2.9E+08	1.1E+08	37.40%	581.991	0.00%	98.00%
340	4365092	3930348	0.9004	146.017	183578	3842019	0.97753	2574488	0.32991	3.4E+08	1.1E+08	32.43%	593.122	0.00%	97.66%
341	3931898	3561844	0.90588	145.958	183578	3488403	0.97938	2530670	0.27455	3.3E+08	1.2E+08	36.12%	651.433	0.00%	97.66%
342	4239238	3824732	0.90222	146.303	183578	3742201	0.97842	2750898	0.2649	3.6E+08	1.3E+08	36.55%	716.17	0.00%	97.87%
343	4192978	3756952	0.89601	146.291	183578	3683373	0.98042	2605919	0.29252	3.4E+08	1.3E+08	37.22%	689.795	0.00%	97.98%
344	3934072	3524354	0.89585	146.268	183578	3458993	0.98145	2403632	0.30511	3.1E+08	1.2E+08	37.16%	635.3	0.05%	97.79%
345	3962504	3504332	0.88437	146.271	183578	3426944	0.97792	2299802	0.32891	3E+08	9.6E+07	32.18%	523.777	0.00%	97.46%
346	3835592	3379496	0.88109	146.27	183578	3304154	0.97771	2455550	0.25683	3.2E+08	1.2E+08	37.52%	644.607	0.00%	97.19%

347	3875828	3471832	0.89577	146.446	183578	3410896	0.98245	2052146	0.39836	2.7E+08	1E+08	38.61%	565.628	0.00%	97.28%
348	3845612	3367138	0.87558	146.404	183578	3286888	0.97617	1933209	0.41184	2.5E+08	8.3E+07	32.97%	449.791	0.00%	97.15%
349	3426742	3062580	0.89373	146.464	183578	2993158	0.97733	2088536	0.30223	2.7E+08	9.9E+07	36.44%	541.875	0.00%	96.96%
350	3241496	2911578	0.89822	146.478	183578	2857581	0.98145	1937056	0.32213	2.5E+08	1E+08	39.63%	545.62	0.00%	96.98%
351	3722630	3363538	0.90354	146.115	183578	3301072	0.98143	2314827	0.29877	3E+08	1.1E+08	37.98%	625.584	0.00%	97.46%
352	2841106	2473364	0.87056	146.727	183578	2437315	0.98543	1391284	0.42917	1.8E+08	7.5E+07	41.45%	410.132	0.00%	96.58%
353	3345490	2920872	0.87308	146.564	183578	2873030	0.98362	1631866	0.43201	2.1E+08	8.7E+07	41.19%	475.467	0.00%	96.91%
354	3455188	3076704	0.89046	146.544	183578	3022178	0.98228	1843128	0.39013	2.4E+08	9.1E+07	38.09%	498.166	0.00%	97.38%
355	3982280	3519620	0.88382	146.634	183578	3457891	0.98246	2036572	0.41104	2.7E+08	1E+08	39.30%	570.575	0.00%	97.53%
356	3124872	2810750	0.89948	146.071	183578	2757543	0.98107	1916598	0.30496	2.5E+08	9.6E+07	38.44%	525.642	0.00%	96.93%
357	4872844	4405438	0.90408	147.074	183578	4306341	0.97751	2720498	0.36826	3.6E+08	1.2E+08	33.80%	668.168	0.00%	97.71%
358	4718274	4188938	0.88781	147.283	183578	4123879	0.98447	2437546	0.40892	3.3E+08	1.3E+08	38.83%	689.303	0.00%	98.34%
359	5171420	4759350	0.92032	147.392	183578	4688320	0.98508	2297477	0.50996	3.1E+08	1.2E+08	39.35%	664.744	0.00%	98.26%
360	5366394	4828524	0.89977	146.902	183578	4731149	0.97983	2627903	0.44455	3.5E+08	1.2E+08	33.32%	639.398	0.00%	97.86%
361	4653524	4266842	0.91691	147.065	183578	4198765	0.98405	2260397	0.46165	3.1E+08	1.1E+08	37.47%	624.206	0.00%	97.47%
362	5396240	4792912	0.88819	147.383	183578	4724983	0.98583	1878417	0.60245	2.5E+08	8.7E+07	35.24%	476.627	0.00%	97.79%
363	5584164	4810830	0.86151	147.593	183578	4740899	0.98546	1617204	0.65888	2.1E+08	7.9E+07	37.40%	432.253	0.00%	97.89%
364	4852702	4400642	0.90684	147.036	183578	4329379	0.98381	2495252	0.42365	3.3E+08	1.2E+08	35.90%	654.446	0.00%	98.07%
365	5016656	4543356	0.90565	147.332	183578	4461708	0.98203	2474333	0.44543	3.3E+08	1.2E+08	34.96%	631.659	0.00%	98.07%
366	4512584	3911610	0.86682	147.029	183578	3841060	0.98196	1561314	0.59352	2E+08	5.1E+07	25.19%	276.223	0.00%	97.17%
367	4772634	4510718	0.94512	146.958	183578	4432001	0.98255	2628550	0.40692	3.6E+08	1.3E+08	36.84%	722.783	0.00%	97.98%
368	4868058	4407042	0.9053	147.2	183578	4324136	0.98119	2447271	0.43404	3.3E+08	1.2E+08	35.97%	642.543	0.00%	98.22%
369	5315348	4817674	0.90637	146.984	183578	4733901	0.98261	2515552	0.46861	3.4E+08	1.1E+08	33.76%	621.267	0.00%	98.17%
370	4667290	4346366	0.93124	147.192	183578	4288122	0.9866	2182148	0.49112	3E+08	1.1E+08	38.59%	624.717	0.00%	98.15%
371	5039822	4637132	0.9201	147.226	183578	4553315	0.98192	2535339	0.44319	3.4E+08	1.2E+08	35.69%	661.749	0.00%	98.20%
372	5237382	4798482	0.9162	146.948	183578	4700001	0.97948	2537698	0.46006	3.4E+08	1E+08	30.43%	561.622	0.00%	98.31%
373	5029894	4550422	0.90468	147.242	183578	4472592	0.9829	1901169	0.57493	2.5E+08	8E+07	31.89%	437.623	0.08%	97.67%
374	5016604	4465472	0.89014	147.196	183578	4403415	0.9861	1999459	0.54593	2.7E+08	9E+07	33.73%	489.526	0.00%	98.51%
375	4861402	4525734	0.93095	146.945	183578	4448574	0.98295	2534255	0.43032	3.4E+08	1.3E+08	36.49%	684.93	0.00%	97.70%
376	4190638	3630012	0.86622	147.245	183578	3551842	0.97847	1398818	0.60617	1.8E+08	4.2E+07	23.11%	227.418	0.08%	95.67%
377	5409188	4983694	0.92134	147.082	183578	4901976	0.9836	2390822	0.51227	3.2E+08	1.1E+08	34.71%	609.683	0.00%	98.38%
378	4908130	4502270	0.91731	146.9	183578	4427687	0.98343	2496702	0.43612	3.4E+08	1.2E+08	34.67%	634.295	0.00%	98.04%

379	4824422	4413134	0.91475	146.981	183578	4329144	0.98097	2360031	0.45485	3.2E+08	1E+08	33.01%	569.756	0.00%	97.48%
380	5251362	4762626	0.90693	147.125	183578	4672795	0.98114	2870749	0.38565	3.8E+08	1.3E+08	34.85%	729.945	0.00%	98.67%
381	4956382	4567088	0.92146	146.816	183578	4481206	0.9812	2535463	0.4342	3.4E+08	1.1E+08	32.08%	594.968	0.00%	97.96%
382	4610444	4237272	0.91906	147.122	183578	4158048	0.9813	2462630	0.40774	3.3E+08	1.2E+08	35.74%	644.264	0.00%	97.98%
383	4784434	4433516	0.92665	147.016	183578	4349641	0.98108	2585051	0.40569	3.5E+08	1.2E+08	33.87%	638.657	0.00%	97.96%
384	4821118	4501298	0.93366	147.051	183578	4433843	0.98501	2476846	0.44138	3.4E+08	1.2E+08	36.93%	678.936	0.00%	97.77%
385	4545260	4252964	0.93569	146.871	183578	4186099	0.98428	2401284	0.42637	3.3E+08	1.2E+08	36.49%	653.278	0.00%	97.75%
386	5201126	4813174	0.92541	146.901	183578	4728361	0.98238	2831672	0.40113	3.8E+08	1.4E+08	36.50%	762.161	0.00%	98.29%
387	3906026	3069302	0.78579	142.753	183578	3004042	0.97874	2630418	0.12437	3.2E+08	1.1E+08	32.56%	573.358	0.00%	97.70%
388	4505456	3545872	0.78702	142.269	183578	3483263	0.98234	2723542	0.21811	3.4E+08	1.1E+08	33.18%	608.485	0.00%	98.61%
389	4022466	3368702	0.83747	142.017	183578	3302374	0.98031	2914990	0.1173	3.6E+08	1.2E+08	32.12%	633.754	0.00%	98.11%
390	4440662	3564010	0.80259	141.718	183578	3457843	0.97021	3148742	0.08939	3.8E+08	7.9E+07	20.66%	430.671	0.00%	96.82%
391	3975788	3266736	0.82166	142.209	183578	3204507	0.98095	2797484	0.12702	3.5E+08	1.2E+08	33.51%	629.833	0.00%	98.10%
392	4052316	3308598	0.81647	142.351	183578	3220598	0.9734	2864032	0.11071	3.5E+08	9.1E+07	25.71%	495.525	0.00%	97.06%
393	3661578	3022790	0.82554	142.078	183578	2965424	0.98102	2567281	0.13426	3.2E+08	1E+08	32.51%	564.129	0.00%	97.81%
394	3776054	3013488	0.79805	141.832	183578	2956175	0.98098	2515988	0.1489	3.1E+08	1E+08	33.39%	565.388	0.00%	98.10%
395	3945254	3173266	0.80432	142.97	183578	3109496	0.9799	2644523	0.14953	3.3E+08	9.8E+07	29.58%	532.652	0.00%	97.81%
396	4156812	3282480	0.78966	142.681	183578	3220192	0.98102	2537818	0.2119	3.2E+08	9.7E+07	30.54%	526.681	0.00%	98.10%
397	3960848	3280876	0.82833	142.813	183578	3213258	0.97939	2781783	0.13428	3.5E+08	1.1E+08	31.47%	593.866	0.00%	97.95%
398	3782634	3136750	0.82925	142.692	183578	3074662	0.98021	2706036	0.11989	3.4E+08	1.1E+08	32.06%	586.582	0.00%	97.74%
399	5587170	5135104	0.91909	150.802	188384	5086191	0.99047	4356141	0.14354	6.1E+08	2.2E+08	36.77%	1192.96	0.16%	96.92%
400	6390836	5863988	0.91756	150.79	188384	5797790	0.98871	4772809	0.17679	6.7E+08	2.4E+08	35.62%	1265.88	0.78%	95.96%
401	5945942	5489578	0.92325	150.787	188384	5434457	0.98996	4376570	0.19466	6.1E+08	2.3E+08	36.99%	1203.12	1.24%	95.46%
402	6778650	6167564	0.90985	150.807	188384	6111240	0.99087	4549834	0.2555	6.4E+08	2.3E+08	36.85%	1245.76	1.23%	95.67%
403	6621902	6038870	0.91195	150.739	188384	5929398	0.98187	5224924	0.11881	7.3E+08	2.1E+08	29.18%	1126.82	0.11%	97.62%
404	6815590	6222632	0.913	150.722	188384	6103451	0.98085	5420180	0.11195	7.5E+08	2.1E+08	27.33%	1091.04	0.36%	97.46%
404	5926684	5235464	0.88337	150.708	188384	5160663	0.98571	3991430	0.22657	5.5E+08	1.8E+08	32.15%	935.194	0.17%	97.37%
404	5520348	4902030	0.88799	150.736	188384	4825441	0.98438	3890460	0.19376	5.4E+08	1.7E+08	31.73%	902.294	0.22%	97.34%
404	7263948	6537688	0.90002	150.732	188384	6404681	0.97966	5503632	0.14069	7.6E+08	2.2E+08	28.77%	1158.27	0.31%	97.43%
404	8289500	7538936	0.90946	150.751	188384	7410850	0.98301	5758675	0.22294	8E+08	2.5E+08	31.60%	1338.44	0.21%	97.65%
404	6539576	5898324	0.90194	150.703	188384	5745398	0.97407	5321677	0.07375	7.4E+08	1.7E+08	23.04%	900.93	0.21%	96.81%
404	7576032	6985962	0.92211	150.719	188384	6868125	0.98313	5453600	0.20596	7.6E+08	2.3E+08	30.72%	1240.76	0.18%	97.55%

404	7032144	6305366	0.89665	150.75	188384	6168736	0.97833	5315856	0.13826	7.3E+08	2E+08	27.55%	1066.32	0.25%	97.16%
404	6244110	5656314	0.90586	150.715	188384	5569018	0.98457	4440109	0.20271	6.2E+08	1.9E+08	30.96%	1011.88	0.22%	97.17%
404	6529596	5795762	0.88761	150.725	188384	5703192	0.98403	4418749	0.22521	6E+08	1.9E+08	32.07%	1024.16	0.24%	97.43%
404	5868110	5173162	0.88157	150.729	188384	5093295	0.98456	3876523	0.2389	5.3E+08	1.6E+08	30.95%	873.975	0.30%	97.30%
405	8909922	7541706	0.84644	143.887	183578	7288078	0.96637	5625523	0.22812	6.9E+08	1.4E+08	20.71%	777.132	0.00%	98.39%
405	7339118	6324796	0.86179	142.574	183578	6116143	0.96701	4731092	0.22646	5.8E+08	1.3E+08	23.16%	727.783	0.00%	98.41%
405	7797358	6701952	0.85952	143.398	183578	6470367	0.96545	5056211	0.21856	6.2E+08	1.4E+08	21.80%	735.608	0.00%	98.37%
405	1.1E+07	9690806	0.84721	143.562	183578	9385378	0.96848	5645163	0.39852	6.9E+08	1.7E+08	23.88%	901.29	0.00%	98.74%
405	1.3E+07	1.1E+07	0.85662	143.066	183578	1.1E+07	0.96713	7252239	0.32084	8.9E+08	2E+08	22.01%	1067.84	0.21%	98.35%
405	8654282	7471382	0.86332	142.819	183578	7204123	0.96423	5785846	0.19687	7.1E+08	1.4E+08	19.07%	736.589	0.15%	97.84%
405	5401728	4641520	0.85927	143.227	183578	4481653	0.96556	3663964	0.18245	4.5E+08	9.8E+07	21.94%	534.777	0.29%	96.98%
405	1.1E+07	9279408	0.84947	143.281	183578	8996952	0.96956	6233556	0.30715	7.6E+08	1.7E+08	22.03%	915.576	0.02%	98.65%
406	4903582	4110784	0.83832	143.559	183578	3974769	0.96691	3498392	0.11985	4.3E+08	9.3E+07	21.70%	504.273	0.00%	96.86%
406	4216146	3620092	0.85863	142.895	183578	3503499	0.96779	2847448	0.18726	3.5E+08	8.9E+07	25.53%	483.445	0.00%	96.79%
406	5415972	4709592	0.86957	143.655	183578	4562058	0.96867	3383106	0.25843	4.2E+08	1.1E+08	25.78%	586.541	0.18%	97.52%
406	3788304	3267924	0.86264	143.378	183578	3160587	0.96715	2533661	0.19836	3.1E+08	7.9E+07	25.48%	430.975	0.22%	96.14%
406	6615848	5659586	0.85546	143.194	183578	5482257	0.96867	4427796	0.19234	5.4E+08	1.2E+08	23.08%	680.151	0.00%	98.08%
406	6929982	6126750	0.88409	142.941	183578	5938298	0.96924	4382411	0.26201	5.4E+08	1.2E+08	21.84%	645.029	0.02%	97.71%
406	4321540	3729484	0.863	143.02	183578	3616226	0.96963	2974270	0.17752	3.6E+08	8.7E+07	24.05%	476.169	0.01%	96.92%
406	4102516	3520924	0.85824	143.135	183578	3402880	0.96647	2917870	0.14253	3.6E+08	7.2E+07	20.13%	391.035	0.54%	94.90%
406	4318410	3734274	0.86473	143.135	183578	3608602	0.96635	2968925	0.17726	3.7E+08	7.6E+07	20.75%	413.767	0.45%	95.30%
406	5028400	4298552	0.85485	143.463	183578	4155286	0.96667	3464168	0.16632	4.2E+08	8.8E+07	20.71%	478.992	0.18%	96.60%
406	4192248	3591878	0.85679	143.296	183578	3475013	0.96746	2907950	0.16318	3.6E+08	8.4E+07	23.71%	459.31	0.02%	96.69%
406	3912502	3386618	0.86559	143.149	183578	3270676	0.96576	2832683	0.13392	3.5E+08	7.8E+07	22.59%	427.038	0.00%	96.30%
407	3819408	3332826	0.8726	142.485	183578	3217706	0.96546	2642853	0.17865	3.2E+08	8E+07	24.81%	436.744	0.42%	95.94%
407	5113706	4422956	0.86492	143.131	183578	4274767	0.9665	3545874	0.17051	4.3E+08	1E+08	23.31%	551.78	0.51%	96.37%
407	4852856	4149522	0.85507	143.447	183578	4007208	0.9657	3213993	0.19795	3.9E+08	9.8E+07	24.90%	532.462	0.41%	96.39%
407	4899978	4200388	0.85723	143.018	183578	4078142	0.9709	3196592	0.21616	3.9E+08	1.1E+08	27.05%	574.149	0.04%	97.46%
407	4505232	4044576	0.89775	143.082	183578	3917139	0.96849	2372153	0.39442	3E+08	7.7E+07	25.80%	420.864	0.49%	95.54%
407	3838702	3366204	0.87691	142.556	183578	3254591	0.96684	2116561	0.34967	2.6E+08	6.1E+07	23.35%	334.082	0.22%	93.74%
407	4379800	3799634	0.86754	142.898	183578	3680911	0.96875	3201736	0.13018	3.9E+08	8.7E+07	22.31%	475.293	0.06%	96.45%
407	5110258	4411596	0.86328	143.514	183578	4262416	0.96618	3355114	0.21286	4.1E+08	1E+08	25.16%	563.643	0.00%	97.30%

407	2834138	2490960	0.87891	142.608	183578	2406525	0.9661	2147801	0.10751	2.6E+08	6.2E+07	23.83%	339.794	0.00%	94.26%
407	4520038	3990764	0.8829	142.423	183578	3853206	0.96553	3183519	0.1738	3.9E+08	9.9E+07	25.39%	539.563	0.02%	97.34%
407	4572776	3930822	0.85961	142.882	183578	3795451	0.96556	3067268	0.19186	3.7E+08	9.3E+07	24.93%	506.904	0.04%	96.99%
407	5096202	4535592	0.88999	142.716	183578	4398656	0.96981	2922549	0.33558	3.6E+08	1.1E+08	29.24%	575.981	0.27%	96.61%
408	9158558	8002636	0.87379	145.825	183578	7856768	0.98177	5687039	0.27616	7.3E+08	2.4E+08	33.30%	1328.41	0.00%	99.36%
409	7741208	6662108	0.8606	145.797	183578	6550024	0.98318	4881938	0.25467	6.3E+08	2.1E+08	34.05%	1160.7	0.00%	99.20%
410	8591772	7655172	0.89099	150.731	183578	7556257	0.98708	6145274	0.18673	8.5E+08	3.2E+08	38.29%	1768.2	0.00%	99.49%
410	7837502	7183238	0.91652	150.696	183578	7102972	0.98883	5512786	0.22388	7.7E+08	2.9E+08	37.02%	1555.83	0.00%	99.45%
410	7696792	6949446	0.9029	150.674	183578	6868968	0.98842	5540729	0.19337	7.7E+08	2.9E+08	37.90%	1589.35	0.00%	99.45%
410	7356548	6690496	0.90946	150.679	183578	6605600	0.98731	5445677	0.1756	7.6E+08	2.7E+08	35.79%	1484.41	0.00%	99.38%
410	8204234	7534414	0.91836	150.676	183578	7459369	0.99004	5646572	0.24302	7.9E+08	3E+08	38.58%	1661.39	0.00%	99.44%
410	8190142	7485682	0.91399	150.688	183578	7387059	0.98683	6161164	0.16595	8.6E+08	3E+08	35.09%	1650.13	0.00%	99.47%
410	8283028	7568898	0.91378	150.672	183578	7474180	0.98749	5945505	0.20453	8.3E+08	2.9E+08	35.38%	1605.49	0.00%	99.52%
410	8933490	8166388	0.91413	150.671	183578	8070402	0.98825	6068190	0.24809	8.5E+08	3E+08	35.56%	1647.69	0.00%	99.46%
410	7781202	7149798	0.91886	150.69	183578	7063226	0.98789	5468912	0.22572	7.7E+08	2.8E+08	36.08%	1506.15	0.00%	99.42%
410	9837116	8879608	0.90266	150.735	183578	8772763	0.98797	6148688	0.29912	8.6E+08	3.3E+08	38.20%	1779.06	0.00%	99.29%
410	7675540	7012956	0.91368	150.711	183578	6928174	0.98791	5390027	0.22201	7.5E+08	2.7E+08	36.35%	1492.12	0.00%	98.98%
413	1.4E+07	1.2E+07	0.88595	147.063	183578	1.2E+07	0.9822	7536947	0.36123	1E+09	2.7E+08	26.60%	1471.78	0.00%	99.25%
414	1.3E+07	1.1E+07	0.87736	147.039	183578	1.1E+07	0.98232	7238471	0.33368	9.7E+08	2.6E+08	27.00%	1429.77	0.00%	99.29%
415	1.9E+07	1.6E+07	0.88991	150.711	183578	1.6E+07	0.99043	7418931	0.54587	1E+09	4E+08	38.86%	2188.26	0.01%	99.47%
416	1.7E+07	1.5E+07	0.89083	150.685	183578	1.5E+07	0.98547	9459295	0.3754	1.3E+09	4.3E+08	32.88%	2356.21	0.05%	99.18%
417	8744242	7877474	0.90088	150.707	183578	7807848	0.99116	5413612	0.30664	7.5E+08	3E+08	40.61%	1656.75	0.19%	98.55%
418	1E+07	9467582	0.91755	150.67	183578	9352838	0.98788	6157829	0.34161	8.6E+08	3.1E+08	35.43%	1667.49	0.05%	99.12%
419	6984124	6251386	0.89509	146.153	183578	6071488	0.97122	5217797	0.14061	6.9E+08	1.7E+08	24.70%	921.934	0.08%	98.76%
420	6649704	6010166	0.90382	145.964	183578	5886732	0.97946	4824512	0.18044	6.3E+08	1.9E+08	30.00%	1030.46	0.08%	99.03%
421	6661714	6027362	0.90478	146.306	183578	5927207	0.98338	5061182	0.14611	6.7E+08	2.1E+08	31.19%	1139.52	0.00%	99.40%
422	6235890	5552426	0.8904	145.85	183578	5459158	0.9832	4625624	0.15269	6.1E+08	1.9E+08	30.87%	1022.72	0.00%	99.39%
423	5597398	4997374	0.8928	145.77	183578	4900219	0.98056	4400817	0.10191	5.8E+08	1.7E+08	29.16%	917.714	0.00%	99.14%
424	5766186	5237740	0.90835	146.052	183578	5162351	0.98561	4290809	0.16883	5.7E+08	1.9E+08	32.72%	1010.68	0.00%	99.26%
425	6957892	6149676	0.88384	146.059	183578	6046730	0.98326	4654984	0.23017	6.1E+08	1.8E+08	30.35%	1004.56	0.00%	99.52%
426	7049592	6302380	0.89401	144.585	183578	6153683	0.97641	5466606	0.11165	7E+08	2.1E+08	29.30%	1119.59	0.01%	99.13%
427	6678222	5940324	0.88951	144.599	183578	5799939	0.97637	5112779	0.11848	6.5E+08	1.9E+08	29.72%	1056.56	0.02%	98.94%

428	6399004	5733980	0.89607	144.596	183578	5600361	0.9767	5027313	0.10232	6.5E+08	1.8E+08	28.60%	1005.39	0.26%	98.41%
429	6359452	5686568	0.89419	144.397	183578	5545454	0.97518	5014466	0.09575	6.3E+08	1.8E+08	28.05%	969.643	0.12%	98.68%
430	5714322	5109816	0.89421	144.578	183578	4986944	0.97595	4517743	0.09409	5.8E+08	1.7E+08	28.83%	904.111	0.11%	98.48%
431	6534912	5855404	0.89602	144.665	183578	5719664	0.97682	5028028	0.12092	6.5E+08	1.8E+08	28.53%	1005.63	0.34%	98.32%
432	7184676	6405010	0.89148	145.136	183578	6277523	0.9801	5393977	0.14075	6.9E+08	2.3E+08	33.30%	1252.94	0.00%	99.11%
433	8033918	7120360	0.88629	145.135	183578	6991926	0.98196	5590474	0.20044	7.2E+08	2.6E+08	36.41%	1422.91	0.00%	99.33%
434	7645490	6854958	0.8966	144.839	183578	6722665	0.9807	5606193	0.16608	7.2E+08	2.5E+08	35.15%	1383.54	0.00%	99.23%
435	6880198	6102610	0.88698	144.912	183578	5979557	0.97984	4992223	0.16512	6.3E+08	2.2E+08	34.39%	1183.52	0.00%	99.14%
436	7862592	6928928	0.88125	145.112	183578	6750115	0.97419	6348410	0.05951	8.1E+08	2.2E+08	27.22%	1200.27	0.00%	99.02%
437	8139278	7000274	0.86006	145.18	183578	6816392	0.97373	6363135	0.0665	8.1E+08	2.3E+08	28.66%	1258.41	0.00%	99.09%
438	6781174	5882810	0.86752	145.708	183578	5758092	0.9788	5099097	0.11445	6.5E+08	2.2E+08	33.99%	1203.88	0.00%	99.07%
439	6227960	5416280	0.86967	145.485	183578	5302188	0.97894	4664841	0.1202	5.9E+08	2E+08	34.22%	1101.44	0.00%	98.92%
440	3397344	2887094	0.84981	142.813	183578	2781507	0.96343	2615934	0.05953	3.2E+08	8.6E+07	26.56%	466.458	0.00%	97.66%
441	3734098	3009550	0.80596	143.027	183578	2896812	0.96254	2631695	0.09152	3.2E+08	1E+08	31.96%	557.264	0.00%	98.32%
442	3173896	2664116	0.83938	142.872	183578	2568611	0.96415	2415775	0.0595	3E+08	8.2E+07	27.44%	446.042	0.00%	97.33%
443	3267520	2693276	0.82426	142.465	183578	2590626	0.96189	2399962	0.0736	2.9E+08	8.7E+07	29.78%	476.03	0.00%	97.94%
444	4279060	3643080	0.85137	142.927	183578	3518455	0.96579	3223098	0.08395	4E+08	1.2E+08	30.85%	667.253	0.00%	98.26%
445	4269352	3598908	0.84296	142.572	183578	3475340	0.96567	3143630	0.09545	3.9E+08	1.3E+08	33.37%	703.973	0.00%	98.41%
446	4834942	4115802	0.85126	142.905	183578	3983891	0.96795	3536725	0.11224	4.4E+08	1.4E+08	31.62%	758.14	0.00%	98.74%
447	3699020	3130220	0.84623	142.439	183578	3024108	0.9661	2760000	0.08733	3.4E+08	1.1E+08	33.16%	614.958	0.00%	98.39%
449	4064412	3452794	0.84952	142.15	183578	3297767	0.9551	3081562	0.06556	3.8E+08	8E+07	21.08%	435.228	0.00%	97.01%
450	1E+07	9051632	0.89138	146.763	183578	8887972	0.98192	6794092	0.23559	9.2E+08	2.6E+08	28.65%	1435.35	0.00%	99.11%
451	8974216	7874350	0.87744	146.928	183578	7709685	0.97909	6359945	0.17507	8.5E+08	2.3E+08	26.72%	1241.83	0.08%	98.81%
452	8649640	7828166	0.90503	146.756	183578	7697989	0.98337	6027525	0.217	8.2E+08	2.4E+08	29.44%	1313.12	0.00%	98.96%
453	7800324	7058222	0.90486	147.161	183578	6952576	0.98503	5423781	0.21989	7.4E+08	2.4E+08	32.53%	1306.34	0.00%	98.96%
454	9626070	8763892	0.91043	146.938	183578	8617257	0.98327	6577818	0.23667	8.9E+08	2.6E+08	29.13%	1418.04	0.00%	99.05%
455	1E+07	9070692	0.90007	147.21	183578	8931799	0.98469	6628083	0.25792	9E+08	2.8E+08	31.11%	1523.16	0.00%	99.24%
456	7640868	6935794	0.90772	147.096	183578	6835968	0.98561	5104457	0.25329	7E+08	2.3E+08	33.55%	1270.25	0.00%	99.11%
457	9052846	8132526	0.89834	147.168	183578	8011688	0.98514	5523834	0.31053	7.5E+08	2.6E+08	34.66%	1421.3	0.00%	99.18%
458	8322068	7495160	0.90064	147.17	183578	7368423	0.98309	5524782	0.25021	7.5E+08	2.3E+08	30.61%	1251.03	0.00%	99.04%
459	6578316	5987420	0.91018	144.97	183578	5884215	0.98276	4921006	0.16369	6.4E+08	2.1E+08	32.77%	1140.05	0.01%	99.15%
460	6593350	5945068	0.90168	145.109	183578	5840849	0.98247	4863798	0.16728	6.3E+08	2.1E+08	33.19%	1132.46	0.03%	99.03%

461	5949314	5384980	0.90514	145.028	183578	5286612	0.98173	4424089	0.16315	5.7E+08	1.8E+08	32.25%	998.444	0.06%	98.70%
462	5685450	5126292	0.90165	145.107	183578	5032734	0.98175	4232160	0.15907	5.5E+08	1.8E+08	33.43%	997.093	0.08%	98.44%
463	6236268	5570274	0.89321	145.342	183578	5469190	0.98185	4485236	0.17991	5.8E+08	1.8E+08	31.94%	1005.18	0.34%	98.32%
464	5905676	5330822	0.90266	145.361	183578	5238042	0.9826	4459988	0.14854	5.8E+08	1.8E+08	31.66%	993.393	0.45%	98.14%
465	6000332	5372450	0.89536	145.416	183578	5273330	0.98155	4474361	0.15151	5.8E+08	1.9E+08	32.37%	1018.82	0.04%	98.91%
466	5652216	5090524	0.90062	145.043	183578	4996211	0.98147	4285408	0.14227	5.5E+08	1.8E+08	32.62%	981.279	0.00%	98.96%
467	5645184	5114218	0.90594	145.13	183578	5032535	0.98403	4235856	0.15831	5.5E+08	1.9E+08	34.40%	1025.7	0.00%	99.26%
468	7336090	6489278	0.88457	142.983	183578	6345454	0.97784	5063465	0.20203	6.3E+08	1.9E+08	30.64%	1053.12	0.08%	98.99%
469	8454468	7290774	0.86236	142.846	183578	7110721	0.9753	5501500	0.22631	6.7E+08	2E+08	30.07%	1104.08	0.00%	99.16%
470	6452386	5592260	0.8667	143.381	183578	5468810	0.97792	4262654	0.22055	5.3E+08	1.6E+08	30.56%	878.352	0.00%	98.75%
471	7145624	6302918	0.88207	142.686	183578	6154299	0.97642	4567216	0.25788	5.7E+08	1.6E+08	28.33%	875.972	0.00%	98.76%
472	7118786	6077740	0.85376	143.525	183578	5943933	0.97798	4550495	0.23443	5.6E+08	1.8E+08	31.97%	979.075	0.00%	98.86%
473	7449708	6609018	0.88715	142.834	183578	6437857	0.9741	5087802	0.20971	6.3E+08	1.7E+08	27.38%	938.086	0.00%	98.85%
474	8724676	7890248	0.90436	142.455	183578	7693650	0.97508	6036362	0.21541	7.5E+08	2.1E+08	28.29%	1156.5	0.08%	99.14%
475	7525552	6689512	0.88891	142.463	183578	6523955	0.97525	5439989	0.16615	6.7E+08	2E+08	30.39%	1105.94	0.00%	99.29%
476	8592166	7463542	0.86864	142.983	183578	7278531	0.97521	5383143	0.26041	6.6E+08	1.9E+08	28.72%	1039.9	0.00%	99.23%
478	7821426	6849532	0.87574	141.953	183578	6697873	0.97786	5021242	0.25032	6.1E+08	2E+08	33.52%	1112.24	0.00%	99.25%
479	7025310	6232024	0.88708	141.778	183578	6086657	0.97667	4846239	0.20379	5.9E+08	1.8E+08	29.62%	954.505	0.00%	99.09%
480	7567558	6612466	0.87379	143.105	183578	6457966	0.97664	4998727	0.22596	6.2E+08	1.9E+08	30.00%	1008.81	0.00%	99.21%
481	6648678	5831812	0.87714	142.689	183578	5697250	0.97693	4472578	0.21496	5.5E+08	1.7E+08	30.55%	909.422	0.00%	99.07%
482	5819076	5269380	0.90554	145.149	183578	5161568	0.97954	4426476	0.14242	5.7E+08	1.6E+08	28.16%	873.195	0.00%	98.60%
483	5914064	5375114	0.90887	145.364	183578	5291337	0.98441	4287391	0.18973	5.6E+08	2E+08	35.28%	1066.64	0.00%	99.03%
484	5659544	5122710	0.90515	145.241	183578	5042184	0.98428	4311913	0.14483	5.6E+08	1.9E+08	33.79%	1026.08	0.00%	99.04%
485	5424984	4936908	0.91003	145.532	183578	4860557	0.98453	4176483	0.14074	5.4E+08	1.9E+08	34.44%	1017.39	0.00%	98.79%
487	9814356	8854824	0.90223	139.115	183578	8586899	0.96974	7109404	0.17206	8.3E+08	2.4E+08	28.93%	1313.97	0.00%	99.47%
488	7900572	7140994	0.90386	138.417	183578	6948181	0.973	5853295	0.15758	6.8E+08	2.3E+08	33.52%	1241.56	0.00%	99.42%
489	4012022	3478838	0.8671	142.133	183578	3380940	0.97186	3036913	0.10175	3.7E+08	9.9E+07	27.15%	540.651	0.00%	96.93%
490	3785310	3325044	0.87841	141.345	183578	3225572	0.97008	2885802	0.10534	3.5E+08	9.4E+07	27.12%	512.486	0.00%	97.06%
491	4586472	3948826	0.86097	142.161	183578	3835264	0.97124	3382367	0.11809	4.1E+08	1.1E+08	26.80%	593.963	0.00%	97.41%
492	3273266	2851936	0.87128	141.204	183578	2769705	0.97117	2490638	0.10076	3E+08	8.7E+07	28.96%	471.338	0.00%	96.74%
493	3044526	2587846	0.85	142.281	183578	2515172	0.97192	2266604	0.09883	2.7E+08	8.2E+07	30.28%	447.231	0.00%	96.38%
494	6632868	6004524	0.90527	146.359	183578	5859316	0.97582	5075519	0.13377	6.8E+08	1.7E+08	24.46%	901.235	0.00%	98.96%

495	6450088	5891280	0.91336	146.143	183578	5769534	0.97933	4905324	0.14979	6.5E+08	1.7E+08	26.27%	936.652	0.08%	98.87%
496	6962332	6352330	0.91239	146.496	183578	6211774	0.97787	5213962	0.16063	7E+08	1.8E+08	25.45%	966.457	0.00%	98.94%
497	6353596	5800626	0.91297	146.402	183578	5678787	0.979	4839835	0.14773	6.5E+08	1.8E+08	27.12%	953.481	0.00%	99.02%
498	6139052	5627478	0.91667	146.368	183578	5508803	0.97891	4682726	0.14996	6.3E+08	1.7E+08	26.66%	910.597	0.00%	99.02%
499	6861926	6213956	0.90557	146.413	183578	6073524	0.9774	5152569	0.15163	6.9E+08	1.6E+08	23.80%	889.333	0.00%	99.06%
500	5925534	5276660	0.8905	146.863	183578	5159424	0.97778	4398022	0.14758	5.8E+08	1.6E+08	27.35%	869.416	0.00%	99.02%
501	7043272	6307718	0.89557	146.894	183578	6221592	0.98635	5144314	0.17315	6.9E+08	2.4E+08	34.46%	1304.26	0.00%	99.38%
502	7133562	6302920	0.88356	147.127	183578	6218917	0.98667	5100058	0.17991	6.9E+08	2.3E+08	33.99%	1278.59	0.00%	99.52%