

List of Patents Abstracted.

BRITISH PATENTS.

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439,535	287	469,131	151	470,014	689	470,870	361	471,792	396	472,325	41	472,934	500
442,346	234	469,132	148	470,028	786	470,871	379	471,798	288	472,333	678	472,935	500
456,664	608	469,138	156	470,031	1214	470,873	740	471,811	418	472,342	684	472,938	693
457,527	460	469,145	157	470,033	780	470,877	286	471,818	88	472,346	735	472,961	76
458,818	1205	469,147	1034	470,035	134	470,878	28	471,827	693	472,349	500	472,966	554
460,374	906	469,202	169	470,038	692	470,889	1214	471,828	249	472,354	25	472,970	26
460,375	906	469,204	187	470,041	643	470,890	379	471,829	693	472,363	291	472,974	586
461,013	1325	469,215	1033	470,045	452	470,894	27	471,830	648	472,365	677	472,980	289
463,272	1035	469,220	168	470,057	152	470,897	181	471,833	362	472,371	291	472,990	557
464,538	570	469,232	1078	470,072	133	470,898	362	471,835	271	472,397	284	472,995	289
464,606	571	469,249	1075	470,074	108	470,909	194	471,839	649	472,404	1077	472,996	289
464,766	1204	469,257	158	470,078	134	470,910	94	471,845	1214	472,407	41	473,004	507
465,852	571	469,300	96	470,097	366	470,914	108	471,848	457	472,423	5	473,005	507
466,142	571	469,333	166	470,135	376	470,926	362	471,850	649	472,424	7	473,009	27
466,443	1060	469,334	187	470,168	88	470,947	362	471,854	457	472,425	5	473,019	6
467,672	1061	469,342	152	470,223	81	470,948	156	471,860	112	472,437	4	473,020	10
467,691	47	469,344	89	470,232	380	470,950	25	471,861	396	472,450	283	473,021	556
467,704	47	469,350	1075	470,248	397	470,951	418	471,862	287	472,457	25	473,022	638
467,749	156	469,356	678	470,254	187	470,969	157	471,866	641	472,462	7	473,033	23
467,772	38	469,391	150	470,266	410	470,979	1363	471,888	457	472,463	482	473,039	557
467,812	47	469,422	1078	470,268	88	470,994	362	471,894	635	472,464	284	473,051	284
467,825	105	469,423	1078	470,269	88	470,007	283	471,899	414	472,465	318	473,056	622
467,880	47	469,424	149	470,280	410	471,026	192	471,904	376	472,466	318	473,057	735
467,888	46	469,452	1034	470,292	149	471,030	192	471,912	292	472,471	9	473,058	194
467,905	156	469,453	399	470,331	408	471,046	284	471,915	4	472,473	49	473,064	590
467,954	46	469,474	197	470,341	149	471,051	283	471,927	692	472,480	4	473,065	57
467,968	1061	469,476	366	470,380	399	471,067	209	471,929	6	472,492	1076	473,066	57
467,992	157	469,478	1060	470,391	199	471,070	284	471,930	4	472,493	646	473,069	156
468,061	101	469,479	1060	470,400	227	471,088	1059	471,931	4	472,514	289	473,078	694
468,099	49	469,490	727	470,415	365	471,134	192	471,939	8	472,516	57	473,081	9
468,106	46	469,512	1057	470,424	365	471,142	283	471,960	5	472,538	28	473,082	251
468,170	80	469,514	27	470,471	410	471,170	300	471,963	29	472,540	8	473,083	26
468,210	318	469,519	1059	470,472	410	471,172	684	471,966	287	472,564	727	473,086	76
468,213	46	469,520	34	470,498	81	471,189	457	471,973	58	472,584	679	473,100	621
468,270	77	469,558	400	470,508	223	471,190	400	471,979	695	472,584	481	473,103	77
468,290	112	469,559	410	470,509	223	471,200	234	471,988	641	472,600	60	473,107	25
468,306	47	469,563	369	470,530	418	471,202	286	471,990	57	472,601	481	473,108	8
468,329	191	469,564	409	470,534	34	471,215	414	471,991	57	472,603	500	473,111	4
468,368	195	469,567	28	470,540	271	471,219	411	471,992	57	472,605	693	473,113	642
468,374	195	469,571	1061	470,554	288	471,223	285	471,994	105	472,626	285	473,115	592
468,378	380	469,575	367	470,556	269	471,225	412	471,995	112	472,629	4	473,125	26
468,388	46	469,577	370	470,561	181	471,231	366	471,996	7	472,639	591	473,144	77
468,428	157	469,593	1061	470,565	228	471,234	270	472,001	411	472,640	285	473,147	289
468,430	157	469,594	1060	470,576	29	471,272	411	472,022	376	472,641	6	473,150	10
468,450	194	469,602	1061	470,580	33	471,277	234	472,027	371	472,644	592	473,153	60
468,455	181	469,605	1058	470,588	32	471,291	285	472,029	452	472,646	557	473,158	60
468,456	167	469,607	24	470,591	270	471,338	411	472,038	283	472,648	78	473,173	542
468,468	727	469,610	400	470,608	181	471,340	411	472,051	635	472,649	78	473,184	300
468,533	1071	469,617	1060	470,612	148	471,346	376	472,066	691	472,652	41	473,185	622
468,542	1076	469,618	370	470,614	288	471,360	108	472,067	25	472,655	6	473,187	24
468,568	166	469,634	1081	470,622	151	471,366	107	472,069	76	472,671	557	473,188	24
468,589	181	469,637	152	470,624	289	471,373	376	472,086	100	472,679	598	473,193	140
468,633	158	469,663	461	470,626	151	471,382	365	472,088	112	472,684	693	473,194	76
468,637	161	469,667	380	470,632	287	471,392	107	472,089	109	472,691	481	473,195	9
468,639	148	469,675	405	470,664	192	471,397	271	472,094	292	472,695	5	473,200	558
468,659	167	469,681	1062	470,678	151	471,409	293	472,097	76	472,719	6	473,220	549
468,669	148	469,688	366	470,699	272	471,412	285	472,104	452	472,727	72	473,222	635
468,681	192	469,689	1062	470,701	284	471,415	367	472,110	376	472,729	9	473,224	8
468,684	223	469,704	370	470,707	152	471,432	380	472,118	61	472,738	554	473,225	549
468,693	1082	469,724	457	470,715	684	471,433	109	472,126	74	472,745	500	473,226	287
468,694	158	469,728	457	470,722	87	471,440	411	472,138	457	472,751	7	473,238	283
468,697	1033	469,729	399	470,727	195	471,495	290	472,140	376	472,754	511	473,240	226
468,703	181	469,731	400	470,733	290	471,527	290	472,146	5	472,756	4	473,244	228
468,742	1027	469,732	400	470,734	290	471,554	786	472,148	400	472,757	142	473,248	273
468,765	167	469,735	25	470,746	152	471,559	453	472,163	636	472,758	77	473,261	7
468,787	1081	469,759	108	470,747	151	471,566	452	472,164	89	472,764	302	473,264	8
468,805	182	469,771	94	470,748	152	471,569	112	472,180	6	472,767	481	473,266	641
468,810	223	469,799	23	470,756	33	471,571	287	472,193	414	472,769	78	473,285	284
468,814	182	469,817	151	470,762	292	471,577	283	472,195	405	472,771	287	473,287	557
468,880	150	469,833	1088	470,764	149	471,591	642	472,196	405	472,790	142	473,291	100
468,889	194	469,834	24	470,777	152	471,629	690	472,215	58	472,812	598	473,292	5
468,896	192	469,865	1081	470,779	270	471,636	293	472,228	695	472,822	5	473,294	271
468,944	166	469,879	209	470,788	285	471,650	28	472,229	271	472,825	286	473,297	557
468,993	149	469,882	149	470,792	192	471,651	61	472,235	9	472,870	592	473,298	5
469,001	195	469,888	1013	470,777	1215	471,652	452	472,238	32	472,871	500	473,299	568
469,007	149	469,889	134	470,808	228	471,653	646	472,248	397	472,882	7	473,300	636
469,020	158	469,901	150	470,843	98	471,668	649	472,249	300	472,888	500	473,312	693
469,023	153	469,905	151	470,844	283	471,670	691	472,258	6	472,893	285	473,328	300
469,025	150	469,908	118	470,847	286	471,679	694	472,264	500	472,898	481	473,329	694
469,064	169	469,914	28	470,849	194	471,736	296	472,265	500	472,905	507	473,332	77
469,074	396	469,933	27	470,855	108	471,752	691	472,278	288	472,907	57	473,338	5
469,109	1081	469,962	785	470,864	28	471,753	418	472,279	288	472,908	57	473,342	271
469,112	101	469,993	786	470,867	192	471,756	288	472,304	481	472,912	556	473,343	271
469,113	81	469,994	785	470,868	288	471,781	86	472,323	675	472,933	500	473,344	271

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473,345	250	473,923	105	474,321	178	474,812	287	475,278	118	475,737	1201	476,216	277
473,358	9	473,928	896	474,323	290	474,826	116	475,291	452	475,739	318	476,223	396
473,398	678	473,930	162	474,325	117	474,827	142	475,305	1205	475,742	1110	476,229	156
473,412	5	473,932	37	474,331	24	474,831	37	475,308	1149	475,756	1183	477,230	1157
473,424	256	473,934	223	474,332	116	474,837	117	475,324	119	475,757	1181	476,238	692
473,438	38	473,935	1131	474,353	322	474,842	226	475,336	1161	475,763	293	476,240	1182
473,439	691	473,937	697	474,354	119	474,845	183	475,342	116	485,772	1182	476,243	143
473,454	648	473,938	166	474,359	223	474,846	1150	475,345	395	475,784	1234	476,244	301
473,458	622	473,940	288	474,361	1077	474,851	233	475,346	228	475,786	1234	476,245	239
473,459	1075	473,943	896	474,370	116	474,854	1081	475,350	1144	475,787	1131	476,246	237
473,466	58	473,946	700	474,377	622	474,860	115	475,352	844	475,789	370	476,254	1158
473,470	648	473,947	166	474,390	897	474,871	288	475,354	1108	475,792	1188	476,255	142
473,471	9	473,948	26	474,394	182	474,879	902	475,356	365	475,806	237	476,262	1158
473,473	677	473,952	728	474,396	223	474,881	182	475,359	395	475,809	139	476,263	1158
473,479	289	473,953	656	474,401	897	474,885	883	475,360	116	475,814	296	476,264	238
473,480	8	473,960	739	474,402	897	474,891	1039	475,368	1145	475,818	138	476,267	850
473,484	9	473,962	598	474,403	49	474,892	882	475,369	396	475,820	277	476,269	1202
473,496	1078	473,970	285	474,408	283	474,897	214	475,373	397	475,822	1192	476,275	1125
473,501	37	473,973	117	474,409	732	474,903	118	475,383	396	475,828	395	476,280	240
473,502	622	473,974	290	474,410	286	474,905	844	475,384	1162	475,829	237	476,281	690
473,506	727	473,975	896	474,414	37	474,911	850	475,386	142	475,830	398	476,283	477
473,512	4	473,976	697	474,417	117	474,914	850	475,387	134	475,832	292	476,285	1235
473,513	1078	473,978	119	474,419	50	474,917	1164	475,406	1162	475,840	241	476,307	237
473,516	1078	473,979	233	474,423	104	474,922	37	475,409	166	475,845	292	476,310	326
473,518	23	473,984	1033	474,424	119	474,940	118	475,416	234	475,847	239	476,312	1152
473,520	710	473,991	288	474,426	942	474,944	118	475,418	116	475,848	306	476,327	1147
473,547	46	473,992	39	474,448	1010	474,949	1105	475,421	117	475,849	240	476,329	253
473,549	638	473,993	734	474,449	289	474,957	844	475,422	1150	475,867	255	476,332	249
473,550	684	473,995	105	474,464	1010	474,971	118	475,423	141	475,868	1232	476,334	240
473,551	684	474,001	691	474,465	86	474,973	1027	475,425	117	475,878	376	476,342	250
473,555	105	474,010	117	474,468	1081	474,974	1027	475,428	117	475,879	238	476,344	1146
473,556	58	474,017	118	474,475	845	474,976	119	475,430	117	475,880	1071	476,361	249
473,564	60	474,018	118	474,476	812	474,977	289	475,436	198	475,882	1197	476,365	157
473,575	27	474,022	726	474,479	117	474,978	906	475,438	116	475,884	241	476,372	241
473,587	293	474,028	1108	474,488	897	474,979	1082	475,443	183	475,888	238	476,375	396
473,588	635	474,034	690	474,495	736	474,981	286	475,448	181	475,889	397	476,376	320
473,592	112	474,038	786	474,496	897	474,983	118	475,453	413	475,890	237	476,379	239
473,594	5	474,045	1079	474,503	116	474,991	699	475,454	233	475,893	1227	476,385	1181
473,600	641	474,053	641	474,508	1011	474,999	193	475,466	1143	475,895	396	476,387	253
473,604	57	474,057	1131	474,518	1071	475,003	49	475,478	1151	475,896	396	476,393	1162
473,605	6	474,076	273	474,534	118	475,005	178	475,480	934	475,902	288	476,400	1161
473,615	256	474,082	266	474,544	284	475,006	182	475,494	117	475,906	156	476,401	1161
473,616	689	474,085	656	474,546	115	475,010	882	475,503	1200	475,911	1128	476,405	398
473,619	58	474,086	118	474,552	178	475,014	166	475,507	489	475,913	142	476,409	396
473,627	693	474,091	895	474,553	181	475,016	38	475,508	1162	475,915	132	476,411	250
473,629	105	474,094	234	474,556	882	475,020	844	475,509	166	475,925	1143	476,412	1227
473,631	1091	474,095	194	474,557	117	475,022	38	475,515	117	475,929	397	476,413	396
473,638	105	474,097	105	474,559	289	475,023	1027	475,519	117	475,930	370	476,422	240
473,641	105	474,110	167	474,567	882	475,024	1027	475,523	137	475,935	376	476,426	1077
473,642	286	474,119	32	474,574	116	475,026	883	475,526	116	475,936	227	476,427	428
473,643	636	474,124	26	474,575	119	475,033	115	475,534	151	475,937	369	476,428	355
473,647	6	474,128	697	474,576	165	475,034	197	475,535	151	475,938	141	476,431	1145
473,651	25	474,139	166	474,578	118	475,039	49	475,537	1153	475,942	255	476,435	1164
473,652	7	474,142	178	474,582	289	475,051	182	475,538	1152	475,948	226	476,437	293
473,653	39	474,148	119	474,583	1205	475,055	161	475,540	116	475,949	227	476,440	1150
473,657	695	474,150	116	474,585	285	475,056	288	475,541	397	475,961	277	476,455	187
473,666	1035	474,151	182	474,589	49	475,058	292	475,548	234	475,966	266	476,458	396
473,697	1035	474,152	118	474,594	1097	475,059	292	475,549	139	475,967	241	476,466	240
473,703	156	474,153	225	474,600	158	475,060	292	475,552	137	475,972	262	476,469	1227
473,704	728	474,156	622	474,601	254	475,068	225	475,558	234	475,980	326	476,481	1200
473,708	896	474,158	727	474,604	287	475,070	938	475,559	489	475,993	1211	476,483	394
473,715	1035	474,159	780	474,608	290	475,072	193	475,573	395	475,994	143	476,488	275
473,722	1122	474,163	169	474,609	290	475,075	900	475,574	227	475,996	142	476,489	248
473,725	734	474,164	780	474,614	227	475,081	1164	475,575	274	475,998	237	476,493	355
473,739	38	474,165	734	474,620	86	475,087	233	475,582	400	476,006	397	476,545	214
473,760	642	474,169	683	474,638	38	475,091	117	475,588	288	476,015	241	476,552	241
473,762	39	474,181	780	474,649	1035	475,095	139	475,598	1200	476,025	238	476,554	292
473,769	598	474,188	896	474,651	1081	475,109	37	475,609	133	476,026	1124	476,555	202
473,770	118	474,189	697	474,658	897	475,040	882	475,627	255	476,032	193	476,556	240
473,781	286	474,191	119	474,666	845	475,041	162	475,631	291	476,043	1150	476,557	397
473,789	182	474,212	116	474,671	254	475,042	227	475,633	239	476,066	1182	476,558	397
473,792	182	474,213	182	474,673	119	475,113	167	475,635	299	476,073	1200	476,563	694
473,808	1113	474,223	46	474,677	234	475,119	138	475,638	239	476,090	1182	476,569	1145
473,831	119	474,224	283	474,678	41	475,120	905	475,644	395	476,111	237	476,570	256
473,833	727	474,228	269	474,687	40	475,125	882	475,645	239	476,115	395	476,571	1152
473,834	786	474,229	253	474,696	897	475,126	118	475,647	256	476,122	228	476,581	1151
473,842	226	474,230	117	474,704	290	475,131	299	475,650	1145	476,128	1205	476,582	234
473,843	39	474,234	81	474,706	183	475,132	299	475,654	292	476,134	457	476,588	256
473,844	182	474,237	25	474,707	117	475,150	117	475,655	1234	476,136	1156	476,594	240
473,847	168	474,239	118	474,709	1035	475,158	256	475,663	1125	476,142	132	476,599	257
473,854	119	474,240	34	474,713	119	475,160	139	475,667	291	476,143	139	476,602	274
473,863	678	474,242	1075	474,716	1071	475,162	86	475,671	138	476,156	237	476,608	1195
473,869	274	474,244	1076	474,717	1071	475,168	119	475,675	158	476,158	133	476,610	1124
473,871	117	474,249	116	474,7									

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476,670	240	477,181	538	477,646	335	478,043	1205	478,556	399	478,972	348	479,401	543
476,684	249	477,183	238	477,656	248	478,067	985	478,562	535	478,973	511	479,403	1152
476,692	238	477,192	1183	477,657	335	478,073	254	478,567	365	478,976	554	479,404	542
476,694	326	477,196	266	477,660	254	478,075	464	478,570	966	478,977	464	479,406	537
476,697	538	477,197	938	477,662	1193	478,077	1153	478,571	354	478,978	469	479,407	354
476,702	536	477,207	938	477,663	250	478,082	537	478,574	334	478,983	460	479,410	345
476,711	241	477,214	1147	477,670	977	478,085	1158	478,583	589	478,984	460	479,411	468
476,712	302	477,218	977	477,673	255	478,099	537	478,587	982	478,985	460	479,419	1234
476,719	1182	477,222	1192	477,684	331	478,108	1182	478,588	411	478,986	460	479,426	558
476,720	539	477,224	976	477,689	364	478,109	537	478,589	1196	478,988	1197	479,428	350
476,727	300	477,232	951	477,696	330	478,121	400	478,592	1113	478,989	460	479,429	470
476,733	952	477,235	318	477,698	1161	478,125	539	478,593	1082	478,990	460	479,437	1228
476,743	1202	477,236	985	477,701	405	478,126	536	478,601	351	478,991	460	479,438	346
476,744	248	477,237	266	477,717	405	478,127	536	478,603	345	478,993	352	479,441	347
476,749	320	477,239	287	477,720	537	478,134	1157	478,604	427	478,996	347	479,445	1280
476,772	962	477,259	1142	477,721	538	478,136	336	478,609	355	478,998	1153	479,446	480
476,778	1152	477,262	1182	477,729	536	478,140	1001	478,623	536	479,004	539	479,447	353
476,790	1182	477,263	1179	477,735	331	478,141	253	478,624	353	479,005	467	479,449	537
476,791	239	477,268	1081	477,740	333	478,159	541	478,625	536	479,007	469	479,450	369
476,795	952	477,272	976	477,742	1164	478,163	1162	478,626	380	479,010	469	479,451	1201
476,797	248	477,277	536	477,743	1164	478,164	365	478,628	345	479,014	538	479,452	1164
476,800	535	477,278	539	477,744	511	478,176	418	478,629	370	479,017	1129	479,459	514
476,806	1198	477,279	238	477,745	1127	478,191	335	478,639	1083	479,023	511	479,462	542
476,823	240	477,280	1071	477,749	451	478,198	536	478,640	540	479,025	412	479,464	1202
476,828	239	477,282	938	477,753	334	478,209	539	478,642	537	479,026	1151	479,470	352
476,838	302	477,283	321	477,754	322	478,213	254	478,644	1105	479,030	500	479,477	351
476,847	237	477,285	238	477,756	538	478,215	346	478,659	539	479,050	1145	479,478	1202
476,857	241	477,286	539	477,758	400	478,216	331	478,661	346	479,054	511	479,479	1130
476,860	250	477,293	258	477,761	334	478,217	511	478,663	364	479,057	1194	479,483	348
476,864	1193	477,294	536	477,762	332	478,222	1183	478,664	952	479,066	356	479,487	1232
476,868	535	477,295	537	477,763	331	478,227	355	478,665	354	479,072	554	479,488	346
476,869	1194	477,297	1143	477,767	1182	478,228	355	478,668	345	479,079	470	479,491	354
476,876	540	477,335	335	477,774	485	478,230	371	478,677	1153	479,081	1181	479,502	542
476,879	249	477,338	346	477,778	255	478,231	356	478,679	346	479,082	511	479,517	542
476,888	1192	477,364	299	477,795	1154	478,233	400	478,680	1198	479,084	515	479,519	470
476,892	326	477,365	331	477,796	1154	478,242	377	478,682	331	479,090	467	479,521	670
476,894	537	477,380	1082	477,800	363	478,246	254	478,684	353	479,110	1283	479,524	675
476,897	237	477,381	539	477,813	538	478,255	1144	478,686	1153	479,111	1151	479,530	1242
476,898	250	477,386	1097	477,816	1182	478,256	350	478,686	364	479,116	587	479,535	542
476,899	257	477,391	345	477,822	456	478,258	332	478,697	939	479,122	352	479,536	468
476,910	536	477,393	1151	477,823	456	478,259	1144	478,700	492	479,123	537	479,540	678
476,903	1193	477,398	408	477,826	951	478,270	331	478,701	1193	479,124	515	479,548	1331
476,904	241	477,400	320	477,827	401	478,271	418	478,707	379	479,131	587	479,553	485
476,908	1181	477,402	1145	477,829	985	478,273	1131	478,715	335	479,137	351	479,558	480
476,909	249	477,403	1145	477,830	1152	478,274	399	478,716	1143	479,140	356	479,562	1227
476,928	273	477,414	376	477,834	370	478,276	539	478,720	345	479,157	515	479,571	1188
476,930	539	477,415	692	477,836	538	478,277	1148	478,735	460	479,164	543	479,574	519
476,938	536	477,425	536	477,840	254	478,280	418	478,758	479	479,173	515	479,585	1214
476,939	1144	477,426	693	477,841	266	478,282	331	478,759	1162	479,181	587	479,591	484
476,942	255	477,428	1152	477,842	262	478,299	429	478,764	345	479,184	543	479,624	1263
476,945	1161	477,431	1158	477,843	253	478,302	1182	478,772	519	479,190	542	479,625	1330
476,946	536	477,446	1195	477,846	1126	478,303	254	478,774	1145	479,193	345	479,630	649
476,950	238	477,447	301	477,848	985	478,304	486	478,776	1197	479,195	1130	479,631	515
476,951	238	477,451	538	477,849	400	478,305	1081	478,784	467	479,198	457	479,632	1263
476,952	249	477,460	1161	477,863	976	478,306	1195	478,794	1162	479,202	1192	479,635	568
476,959	267	477,461	990	477,867	248	478,308	352	478,804	1146	479,215	538	479,639	468
476,975	249	477,462	1181	477,876	331	478,309	409	478,808	469	479,217	1195	479,642	485
476,979	277	477,463	486	477,882	456	478,317	1129	478,811	514	479,224	511	479,645	487
476,984	1132	477,464	370	477,885	1194	478,318	252	478,816	469	479,227	1279	479,657	484
476,985	322	477,478	335	477,887	355	478,323	412	478,819	535	479,228	537	479,659	469
476,988	258	477,486	331	477,888	1127	478,324	982	478,822	1195	479,233	587	479,661	608
476,989	1143	477,488	332	477,889	266	478,325	254	478,832	519	479,239	1280	479,662	542
476,994	536	477,491	330	477,893	692	478,326	254	478,839	618	479,240	1288	479,665	674
476,998	536	477,494	249	477,904	695	478,327	366	478,841	1129	479,250	1195	479,671	468
477,008	253	477,499	485	477,910	536	478,345	592	478,843	468	479,252	457	479,681	672
477,014	255	477,513	330	477,911	1082	478,350	464	478,851	511	479,253	352	479,690	485
477,015	255	477,517	955	477,919	331	478,354	335	478,854	362	479,255	353	479,691	469
477,026	1158	477,518	1157	477,923	1130	478,357	985	478,856	1148	479,257	1152	479,703	515
477,027	1180	477,519	540	477,928	1105	478,370	1196	478,874	468	479,264	1200	479,704	672
477,029	262	477,532	553	477,932	740	478,386	351	478,877	1123	479,265	1200	479,706	469
477,030	248	477,534	485	477,935	535	478,390	399	478,879	514	479,267	469	479,708	506
477,033	241	477,536	955	477,936	248	478,396	399	478,887	470	479,273	519	479,713	467
477,036	1143	477,520	332	477,938	254	478,398	366	478,895	537	479,282	471	479,721	671
477,041	536	477,521	296	477,940	952	478,406	952	478,899	1195	479,283	468	479,733	678
477,049	1153	477,522	538	477,944	1129	478,407	1126	478,902	456	479,292	470	479,738	740
477,050	240	477,523	952	477,949	333	478,424	353	478,903	952	479,293	511	479,749	469
477,055	1197	477,524	322	477,954	1196	478,434	333	478,911	1162	479,301	470	479,752	1235
477,058	273	477,528	976	477,955	334	478,437	952	478,916	538	479,311	468	479,753	507
477,068	1153	477,529	1144	477,956	241	478,441	349	478,922	952	479,316	418	479,758	1188
477,077	240	477,543	1146	477,962	248	478,443	1083	478,925	469	479,318	542	479,763	1157
477,083	536	477,547	321	477,964	1161	478,444	539	478,927	938	479,331	427	479,764	1231
477,084	266	477,567	334	477,965	863	478,451	330	478,928	938	479,334	356	479,765	487
477,086	1126	477,571	334	477,982	395	478,457	537	478,930	938				

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479,810	1227	480,287	1506	480,698	1158	481,126	607	481,565	1282	482,096	809	482,480	743
479,812	471	480,297	506	480,704	1333	481,129	608	481,570	628	482,100	1332	482,489	1454
479,813	486	480,307	675	480,712	1205	481,133	606	481,571	931	482,111	808	482,507	764
479,816	470	480,308	609	480,718	674	481,134	630	481,572	700	482,120	692	482,510	930
479,825	543	480,316	1341	480,721	1320	481,135	700	481,584	620	482,122	1332	482,512	764
479,827	483	480,320	484	480,729	608	481,136	1281	481,586	743	482,125	1365	482,515	765
479,832	480	480,324	604	480,732	1334	481,141	480	481,587	640	482,126	626	482,522	1290
479,835	487	480,325	604	480,739	648	481,142	647	481,606	930	482,130	630	482,524	764
479,836	542	480,328	492	480,740	519	481,148	653	481,607	622	482,131	628	482,531	931
479,838	591	480,329	605	480,745	491	481,154	482	481,609	642	482,137	852	482,532	1418
479,840	468	480,330	1236	480,746	674	481,159	933	481,610	643	482,141	744	482,535	1325
479,842	674	480,334	1181	480,749	491	481,164	732	481,612	624	482,143	743	482,539	1400
479,845	586	480,336	1330	480,751	619	481,166	593	481,619	1360	482,144	744	482,543	746
479,847	507	480,339	1341	480,756	484	481,184	609	481,620	1330	482,149	931	482,547	764
479,848	490	480,340	1341	480,770	1217	481,185	1282	481,623	1282	482,150	931	482,548	1454
479,855	489	480,352	675	480,772	635	481,187	620	481,629	1293	482,157	931	482,549	1261
479,857	598	480,354	605	480,774	1290	481,189	730	481,631	1283	482,159	1290	482,553	929
479,865	487	480,356	678	480,777	1330	481,191	1289	481,633	629	482,163	785	482,560	808
479,866	506	480,358	490	480,778	734	481,193	621	481,635	1461	482,169	786	482,563	931
479,867	506	480,366	606	480,781	480	481,206	1284	481,637	930	482,170	786	482,573	764
479,869	675	480,379	593	480,785	740	481,207	930	481,642	625	482,171	628	482,575	822
479,872	469	480,380	671	480,787	930	481,210	628	481,646	625	482,172	1183	482,576	847
479,878	514	480,395	606	480,793	656	481,214	619	481,647	621	482,180	626	482,579	905
479,887	468	480,404	674	480,798	607	481,220	625	481,648	930	482,181	640	482,580	764
479,891	469	480,408	1281	480,810	607	481,227	1181	481,651	1284	482,184	640	482,582	765
479,897	487	480,414	1157	480,816	604	481,229	677	481,673	627	482,192	692	482,583	764
479,898	487	480,415	605	480,820	480	481,235	621	481,681	733	482,198	628	482,594	746
479,899	487	480,419	607	480,822	731	481,237	636	481,690	785	482,200	746	482,605	1366
479,901	519	480,428	607	480,834	1290	481,238	621	481,699	733	482,204	1368	482,619	1291
479,905	1333	480,430	609	480,836	604	481,243	726	481,702	1368	482,206	642	482,624	1506
479,912	488	480,433	608	480,837	641	481,257	606	481,711	845	482,209	684	482,628	1230
479,914	511	480,435	1330	480,854	1368	481,262	606	481,721	638	482,210	852	482,630	621
479,916	1263	480,436	690	480,855	914	481,273	930	481,724	745	482,211	852	482,633	1367
479,930	1282	480,440	605	480,862	697	481,274	734	481,732	1295	482,216	1400	482,635	1352
479,931	481	480,442	1124	480,865	649	481,275	733	481,733	740	482,219	626	482,640	790
479,933	671	480,448	1287	480,869	727	481,276	608	481,735	626	482,221	860	482,647	764
479,939	485	480,457	608	480,870	929	481,278	620	481,741	1281	482,224	929	482,652	850
479,940	481	480,468	1188	480,871	727	481,281	653	481,747	628	482,225	636	482,654	621
479,957	481	480,476	1231	480,878	653	481,283	621	481,748	930	482,233	1320	482,656	1279
479,959	605	480,480	648	480,881	689	481,290	629	481,777	1281	482,235	626	482,658	1264
479,962	480	480,486	589	480,882	630	481,303	931	481,781	758	482,236	1369	482,659	604
479,965	1290	480,498	728	480,885	683	481,308	400	481,795	625	482,239	808	482,664	1231
479,968	670	480,503	1231	480,886	625	481,316	1337	481,797	929	482,240	629	482,677	1336
479,969	482	480,506	653	480,895	558	481,317	943	481,802	746	482,243	906	482,678	931
479,970	592	480,507	598	480,902	480	481,324	1284	481,805	930	482,244	808	482,687	1462
479,976	1360	480,513	605	480,904	625	481,327	607	481,813	620	482,249	852	482,689	930
479,977	604	480,510	1159	480,906	606	481,332	657	481,815	745	482,253	621	482,695	1230
479,994	511	480,523	673	480,910	1294	481,333	553	481,819	1332	482,254	1290	482,698	1411
480,011	484	480,528	567	480,916	726	481,338	627	481,822	1368	482,263	746	482,700	1281
480,013	605	480,530	604	480,919	637	481,346	627	481,827	785	482,269	1400	482,701	1319
480,034	604	480,539	493	480,920	605	481,355	906	481,832	628	482,271	624	482,711	1453
480,059	589	480,542	679	480,921	1294	481,356	728	481,835	621	482,276	622	482,742	744
480,060	605	480,545	765	480,922	1300	481,357	627	481,842	1183	482,277	1325	482,746	1408
480,085	672	480,549	487	480,923	1360	481,363	420	481,844	929	482,280	1400	482,747	743
480,096	1360	480,551	487	480,929	929	481,364	640	481,845	1280	482,281	1333	482,748	1390
480,097	1283	480,557	700	480,932	930	481,366	930	481,850	622	482,282	931	482,759	844
480,103	670	480,565	727	480,940	625	481,367	930	481,854	640	482,286	1462	482,783	760
480,105	488	480,566	672	480,943	607	481,368	726	481,857	1299	482,292	700	482,792	1147
480,107	671	480,568	484	480,945	931	481,373	604	481,863	627	482,296	1401	482,797	852
480,109	1181	480,570	1217	480,947	621	481,374	933	481,864	731	482,300	626	482,800	819
480,113	519	480,573	493	480,949	1290	481,379	604	481,868	790	482,301	641	482,809	743
480,116	605	480,578	672	480,950	1281	481,389	625	481,871	1337	482,303	905	482,814	1400
480,117	485	480,582	608	480,951	1360	481,392	622	481,872	743	482,307	1302	482,815	773
480,125	679	480,583	608	480,953	905	481,396	1337	481,874	731	482,312	845	482,817	1407
480,140	608	480,586	679	480,955	480	481,397	626	481,875	620	482,321	731	482,818	1408
480,145	675	480,590	607	480,958	1333	481,399	1189	481,878	929	482,324	639	482,820	929
480,152	605	480,591	728	480,960	727	481,400	1281	481,892	1334	482,326	906	482,825	744
480,154	519	480,592	1331	480,971	1280	481,404	656	481,897	630	482,327	622	482,826	1503
480,159	672	480,594	678	480,981	1188	481,412	758	481,898	626	482,335	1337	482,831	789
480,162	493	480,595	636	480,982	1300	481,414	1280	481,904	745	482,342	629	482,833	773
480,166	670	480,597	1282	481,010	677	481,422	607	481,909	626	482,343	745	482,834	1454
480,169	490	480,601	490	481,019	639	481,429	609	481,911	694	482,344	639	482,836	815
480,170	1283	480,602	493	481,028	731	481,432	930	481,924	1366	482,345	640	482,846	1498
480,171	1289	480,604	483	481,032	677	481,440	1280	481,927	1281	482,339	1294	482,847	1401
480,174	480	480,607	1332	481,037	607	481,441	1280	481,930	944	482,340	1300	482,849	1400
480,176	598	480,609	607	481,040	931	481,456	620	481,934	1330	482,351	787	482,856	808
480,178	1337	480,617	488	481,044	604	481,458	605	481,942	630	482,352	626	482,857	933
480,183	606	480,633	607	481,045	1217	481,459	1285	481,960	1330	482,353	700	482,858	933
480,204	1337	480,634	607	481,056	1282	481,462	1282	481,964	809	482,367	776	482,872	758
480,206	607	480,638	657	481,063	678	481,465	626	481,969	1334	482,387	765	482,880	1503
480,213	493	480,640	692	481,067	1299	481,467	906	481,971	906	482,393	1337	482,885	1400
480,214	479	480,644	479	481,069	1332	481,477	629	481,973	620	482,400	1462	482,886	847
480,215	646	480,645	1284	481,070	628	481,481	1188	48					

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482,958	931	483,464	1507	483,928	1325	484,414	914	484,847	1352	485,244	881	485,725	881
482,966	930	483,471	1408	483,940	1021	484,415	1333	484,854	990	485,254	1462	485,727	1042
482,970	764	483,474	1400	483,945	981	484,417	760	484,857	1314	485,255	1455	485,728	1179
482,975	975	483,481	888	483,950	1021	484,420	1061	484,858	1289	485,266	1101	485,729	1179
482,978	1262	483,482	862	483,954	1372	484,431	976	484,860	1315	485,284	933	485,730	1063
482,980	943	483,485	1400	483,955	1302	484,437	886	484,862	889	485,288	1170	485,731	1503
482,995	1401	483,492	736	483,964	772	484,448	1031	484,863	977	485,290	1030	485,741	1179
482,997	1498	483,494	906	483,974	1512	484,452	934	484,875	934	485,291	863	485,742	1102
483,000	849	483,496	1408	483,987	1331	484,453	1497	484,884	886	485,292	1178	485,757	1020
483,003	845	483,503	1060	483,988	1062	484,467	990	484,888	885	485,300	863	485,761	1016
483,006	1456	483,510	990	483,989	885	484,468	1497	484,901	897	485,314	1018	485,762	1034
483,009	930	483,517	1060	484,000	1020	484,469	1331	484,902	1346	485,318	1178	485,768	1400
483,011	1400	483,523	1498	484,007	1462	484,476	942	484,903	900	485,319	1399	485,786	1181
483,016	790	483,527	933	484,014	1061	484,477	1497	484,904	1314	485,321	1456	485,787	1065
483,022	746	483,542	1406	484,015	1497	484,480	1058	484,906	887	485,331	1497	485,791	998
483,029	931	483,548	984	484,029	758	484,492	1061	484,908	1319	485,333	881	485,797	1178
483,036	845	483,549	757	484,037	1411	484,494	1375	484,909	1315	485,336	1030	485,803	996
483,044	1506	483,551	1060	484,047	1330	484,500	886	484,910	887	485,344	863	485,805	1498
483,045	849	483,556	990	484,050	758	484,506	1102	484,921	1294	485,348	860	485,807	999
483,051	764	483,560	1461	484,051	1105	484,511	1320	484,932	1338	485,356	911	485,830	1042
483,052	1505	483,562	933	484,054	933	484,522	760	484,939	861	485,372	1031	485,838	1036
483,059	1506	483,563	1456	484,056	862	484,525	887	484,945	861	485,373	1158	485,839	995
483,076	746	483,564	901	484,057	861	484,527	759	484,946	860	485,377	1016	485,840	997
483,087	887	483,565	911	484,069	1284	484,530	966	484,958	1313	485,381	861	485,847	995
483,088	809	483,566	1063	484,073	1064	484,531	861	484,959	1333	485,384	1454	485,852	881
483,118	1508	483,571	1408	484,076	990	484,532	883	484,962	760	485,386	861	485,857	1455
483,119	929	483,572	1061	484,084	760	484,543	1352	484,964	761	485,388	1101	485,858	1038
483,138	746	483,573	1407	484,088	1332	484,546	1059	484,965	1316	485,393	861	485,861	1508
483,141	744	483,577	886	484,089	772	484,547	1034	484,970	934	485,398	1406	485,862	1507
483,143	736	483,581	861	484,090	983	484,548	934	484,981	1088	485,410	934	485,866	1031
483,147	1504	483,582	990	484,094	1408	484,549	1034	484,983	1314	485,439	934	485,871	1418
483,148	902	483,585	889	484,096	1506	484,551	860	484,984	901	485,452	1503	485,874	1014
483,151	744	483,587	1498	484,097	990	484,560	910	484,988	1316	485,455	1179	485,875	1017
483,156	930	483,591	1061	484,098	986	484,562	1299	484,992	862	485,461	881	485,881	1177
483,179	1443	483,598	1462	484,100	983	484,569	1058	484,993	1214	485,466	1021	485,883	1017
483,184	885	483,601	759	484,101	982	484,570	962	484,995	886	485,474	1177	485,905	1179
483,185	885	483,605	1457	484,103	1059	484,571	1060	484,996	1316	485,476	933	485,919	995
483,189	885	483,609	1505	484,106	1064	484,576	776	484,997	1410	485,478	883	485,920	1030
483,190	885	483,614	1059	484,109	757	484,577	890	485,000	1331	485,485	1014	485,933	1400
483,192	885	483,636	913	484,111	901	484,579	761	485,021	1315	485,493	1418	485,941	1082
483,198	929	483,638	1454	484,115	1474	484,582	933	485,030	990	485,500	863	485,955	1159
483,199	929	483,651	1057	484,117	938	484,587	1299	485,033	886	485,503	1411	485,956	1178
483,202	887	483,657	1453	484,118	1332	484,594	1102	485,037	911	485,504	1421	485,960	1076
483,206	743	483,662	1443	484,127	760	484,595	1104	485,039	990	485,505	1421	485,964	1021
483,217	745	483,664	1453	484,132	758	484,597	890	484,048	759	485,506	1421	485,965	1179
483,221	888	483,666	1279	484,136	1410	484,599	943	485,049	1319	485,507	1418	485,966	1177
483,222	943	483,670	982	484,144	861	484,600	1102	485,050	1462	485,508	1418	485,969	996
483,223	943	483,672	1059	484,145	860	484,601	759	485,064	934	485,509	1418	485,971	1017
483,224	888	483,674	1060	484,151	888	484,605	1281	485,074	1314	485,510	1418	485,975	1448
483,228	931	483,675	1058	484,158	1061	484,609	900	485,078	1366	485,511	1418	485,976	1000
483,239	744	483,686	1058	484,159	1061	484,615	911	485,079	1088	485,512	1421	485,977	1178
483,242	901	483,694	1454	484,170	885	484,616	1497	485,083	757	485,513	911	485,985	997
483,244	931	483,704	981	484,194	882	484,619	815	485,089	1317	485,515	934	486,005	1505
483,256	929	483,706	759	484,195	1498	484,623	933	485,090	1360	485,516	1401	486,006	1507
483,258	982	483,707	1289	484,197	758	484,635	860	485,091	1316	485,525	1401	486,009	1421
483,278	891	483,739	1411	484,200	943	484,637	1059	485,105	760	485,528	933	486,010	1029
483,290	744	483,741	1059	484,207	761	484,655	1021	485,106	1281	485,529	933	486,015	1016
483,301	886	483,747	1061	484,209	886	484,659	1456	485,108	886	485,530	933	486,016	882
483,306	761	483,748	933	484,214	902	484,660	885	485,109	914	485,540	862	486,023	1027
483,307	1062	483,758	759	484,224	1058	484,661	772	485,110	1104	485,543	1399	486,026	1030
483,308	888	483,763	910	484,225	1457	484,662	1058	485,114	1317	485,552	1507	486,029	1032
483,309	1498	483,765	1454	484,228	1101	484,664	1060	485,115	1331	485,554	1457	486,032	1498
483,312	860	483,766	772	484,237	932	484,669	1512	485,116	890	485,559	1408	486,043	1507
483,313	1021	483,769	772	484,242	759	484,673	898	485,118	863	485,561	861	486,054	1503
483,315	1448	483,770	1302	484,248	1330	484,678	1021	485,123	1324	485,569	1102	486,055	1503
483,316	761	483,772	1064	484,249	761	484,679	1018	485,142	886	485,577	1104	486,057	1183
483,324	887	483,774	1481	484,253	1281	484,683	887	485,143	1314	485,578	910	486,064	1503
483,325	890	483,776	1062	484,254	1034	484,684	901	485,147	1291	485,584	933	486,073	1063
483,333	1454	483,777	911	484,256	860	484,698	984	485,151	1291	485,587	1179	486,086	1029
483,338	861	483,778	911	484,258	1498	482,702	1108	485,155	863	485,592	1020	486,088	881
483,353	1060	483,786	1456	484,261	861	482,706	780	485,163	1294	485,593	1407	486,090	1097
483,358	934	483,789	1503	484,262	934	482,707	741	485,164	1294	485,594	882	486,094	1013
483,359	862	483,794	910	484,270	1059	484,712	952	485,165	761	485,604	1104	486,097	1020
483,361	760	483,795	888	484,275	914	484,714	1295	485,175	1019	485,607	863	486,113	1000
483,363	1352	483,796	761	484,278	943	484,718	860	485,178	1294	485,609	1104	486,121	1441
483,366	1506	483,798	1061	484,279	1498	484,726	1314	485,181	863	485,610	861	486,149	1008
483,368	902	483,800	861	484,291	888	484,728	910	485,182	1290	485,612	1503	486,153	1410
483,371	760	483,805	990	484,297	882	484,729	914	485,188	1503	485,614	1448	486,155	1009
483,375	758	483,814	1454	484,299	1457	484,736	1324	485,190	1507	485,623	1022	486,158	1039
483,380	1058	483,815	1057	484,304	1042	484,737	862	485,194	1027	485,624	1019	486,161	1014
483,399	1453	483,818	761	484,322	1340	484,748	934	485,198	1031	485,633	1015	486,163	1482
483,400	889	483,821	1410	484,324	758	484,749	13						

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486,302	1020	486,810	1113	487,400	1115	488,127	1164	488,829	1366	489,552	1134	490,321	1260
486,306	1031	486,817	1300	487,409	1148	488,129	1114	488,852	1122	489,553	1133	490,324	1250
486,311	1070	486,821	1016	487,427	1177	488,138	1200	488,856	1123	489,554	1133	490,329	1288
486,312	1009	486,822	1016	487,428	1163	488,141	1217	488,863	1269	489,562	1136	490,334	1267
486,317	999	486,826	1039	487,435	1112	488,151	1242	488,866	1202	489,575	1194	490,349	1283
486,322	1101	486,828	998	487,493	1101	488,152	1242	488,869	1270	489,576	1133	490,350	1363
486,325	1038	486,832	1097	487,496	1112	488,192	1114	488,877	1319	489,610	1249	490,360	1363
486,339	1009	486,845	1316	487,500	1114	488,193	1138	488,878	1249	489,612	1134	490,364	1391
486,355	1013	486,848	1105	487,503	1242	488,196	1189	488,899	1320	489,613	1149	490,372	1393
486,380	1411	486,850	1016	487,506	1232	488,201	1138	488,900	1340	489,614	1205	490,373	1361
486,382	1105	486,854	1230	487,512	1211	488,213	1202	488,904	1363	489,619	1248	490,378	1246
486,383	1009	486,864	1077	487,518	1114	488,230	1112	488,907	1196	489,623	1231	490,384	1372
486,397	998	486,865	1020	487,547	1183	488,233	1112	488,910	1201	489,634	1134	490,387	1266
486,408	1058	486,868	1027	487,550	1009	488,258	1113	488,911	1284	489,645	1287	490,389	1272
486,414	1019	486,875	997	487,593	1194	488,262	1162	488,932	1365	489,647	1247	490,390	1257
486,415	1070	486,876	1097	487,595	1113	488,280	1113	488,933	1365	489,654	1249	490,393	1248
486,420	1441	486,877	1015	487,601	1138	488,285	1177	488,938	1202	489,664	1258	490,416	1267
486,421	1100	486,887	1015	487,603	1146	488,287	1114	488,951	1124	489,668	1281	490,423	1346
486,422	1346	486,898	1100	487,604	1192	488,289	1183	489,954	1201	489,673	1248	490,426	1242
486,423	996	486,899	1300	487,607	1181	488,293	1183	488,966	1365	489,680	1299	490,433	1249
486,436	996	486,902	1011	487,618	1197	488,301	1113	488,969	1251	489,692	1364	490,435	1341
486,444	1038	486,908	1314	487,621	1136	488,303	1163	488,971	1279	489,697	1137	490,451	1368
486,445	1030	486,918	1014	487,638	1113	488,306	1366	488,972	1247	489,698	1288	490,453	1246
486,447	995	486,927	997	487,642	1135	488,313	1112	488,974	1366	489,710	1346	490,503	1299
486,449	1100	486,928	1013	487,645	1151	488,316	1259	488,994	1248	489,727	1149	490,512	1260
486,453	1013	486,930	1058	487,648	1162	488,320	1112	488,997	1193	489,731	1267	490,516	1505
486,465	1039	486,932	1010	487,652	1133	488,321	1114	488,998	1366	489,732	1366	490,517	1368
486,468	1482	486,934	1231	487,654	1115	488,327	1270	489,026	1134	489,738	1288	490,519	1249
486,471	1386	486,942	1012	487,656	1114	488,344	1177	489,035	1136	489,746	1251	490,532	1287
486,481	1482	486,958	1008	487,660	1008	488,359	1123	489,036	1250	489,757	1250	490,542	1291
486,488	1015	486,967	1009	487,661	1042	488,362	1142	489,052	1320	489,758	1247	490,544	1266
486,490	1410	486,980	1009	487,669	1133	488,374	1368	489,053	1251	489,760	1316	490,554	1294
486,492	1009	486,986	1211	487,672	1115	488,381	1130	489,060	1246	489,767	1421	490,558	1336
486,517	985	486,992	1230	487,673	1010	488,390	1263	489,063	1258	489,768	1280	490,554	1248
486,519	1075	486,994	1011	487,675	1242	488,394	1146	489,083	1363	489,779	1372	490,567	1289
486,520	1017	487,006	1108	487,679	1181	488,404	1134	489,093	1367	489,808	1260	490,570	1364
486,524	998	487,019	1064	487,697	1114	488,405	1262	489,097	1189	489,845	1234	490,571	1246
486,527	896	487,025	996	487,699	1182	488,409	1263	489,099	1247	489,860	1250	490,582	1268
486,534	1064	487,038	1018	487,702	1150	488,420	1183	489,105	1262	489,863	1266	490,584	1250
486,546	1096	487,040	998	487,704	1114	488,423	1365	489,106	1281	489,893	1319	490,586	1265
486,558	1316	487,041	1043	487,705	1269	488,428	1211	489,109	1250	489,902	1246	490,606	1313
486,559	1063	487,051	1274	487,713	1008	488,429	1211	489,110	1143	489,918	1247	490,606	1313
486,560	1015	487,053	1010	487,714	1009	488,483	1263	489,117	1260	489,929	1288	490,637	1289
486,561	1027	487,054	1058	487,715	1180	488,490	1266	489,156	1302	489,934	1273	490,646	1269
486,563	1015	487,071	1138	487,718	1135	488,500	1144	489,157	1201	489,937	1214	490,653	1283
486,564	896	487,079	1039	487,723	1137	488,513	1124	489,161	1367	489,939	1247	490,662	1246
486,573	1017	487,090	1042	487,724	1149	488,519	1242	489,162	1368	489,940	1287	490,664	1340
486,574	1017	487,091	999	487,725	1149	488,553	1127	489,164	1367	489,952	1365	490,665	1248
486,577	1075	487,101	1042	487,734	1196	488,567	1262	489,166	1250	489,953	1249	490,667	1303
486,583	1008	487,102	1064	487,744	1064	488,571	1112	489,170	1133	489,957	1360	490,668	1246
486,584	1314	487,106	995	487,745	1011	488,574	1135	489,171	1248	489,968	1248	490,678	1303
486,587	1346	487,136	997	487,751	1146	488,581	1271	489,172	1269	489,972	1288	490,681	1269
486,595	1008	487,137	999	487,752	1034	488,588	1113	489,173	1195	489,973	1331	490,687	1329
486,596	1230	487,143	1064	487,764	1112	488,591	1112	489,189	1248	489,974	1268	490,688	1329
486,600	1315	487,144	1064	487,770	1135	488,593	1260	489,190	1134	489,977	1198	490,689	1329
486,602	997	487,150	1008	487,771	1101	488,595	1273	489,202	1200	490,005	1194	490,695	1262
486,606	1027	487,164	998	487,776	1011	488,596	1145	489,205	1201	490,007	1267	490,703	1249
486,610	997	487,166	1014	487,777	1242	488,597	1263	489,210	1248	490,017	1273	490,714	1340
486,613	1316	487,190	1058	487,778	1182	488,598	1114	489,214	1235	490,018	1268	490,727	1247
486,620	1060	487,198	1043	487,785	1011	488,609	1259	489,219	1261	490,022	1246	490,728	1247
486,621	1346	487,205	1011	487,798	1137	488,619	1144	489,235	1150	490,043	1268	490,729	1367
486,623	1038	487,213	1039	487,804	1151	488,620	1153	489,236	1134	490,044	1267	490,744	1274
486,625	1319	487,227	1038	487,819	1009	488,625	1128	489,238	1319	490,045	1257	490,745	1274
486,628	994	487,228	996	487,824	1135	488,638	1372	489,259	1133	490,064	1257	490,756	1363
486,629	1316	487,229	1230	487,829	1183	488,641	1300	489,263	1262	490,067	1273	490,764	1268
486,631	1011	487,232	997	487,830	1137	488,642	1270	489,274	1367	490,073	1270	490,767	1261
486,632	1302	487,233	1231	487,835	1078	488,643	1279	489,310	1249	490,090	1260	490,768	1266
486,635	1290	487,236	999	487,840	1112	488,651	1123	489,311	1134	490,094	1262	490,771	1270
486,639	1319	487,239	1030	487,843	1135	488,679	1250	489,330	1193	490,107	1257	490,774	1299
486,641	1337	487,249	1028	487,878	1137	488,685	1217	489,331	1329	490,109	1284	490,775	1259
486,645	1043	487,250	1010	487,891	1115	488,686	1134	489,343	1193	490,112	1248	490,785	1389
486,659	995	487,253	1197	487,892	1128	488,689	1370	489,360	1251	490,116	1318	490,799	1250
486,660	1271	487,255	1011	487,899	1122	488,691	1201	489,361	1320	490,120	1249	490,813	1258
486,662	1070	487,259	1042	487,927	1153	488,694	1337	489,364	1364	490,122	1251	490,817	1280
486,665	1107	487,261	1022	487,943	1113	488,700	1269	489,367	1247	490,123	1266	490,820	1302
486,668	1018	487,267	982	487,946	1114	488,701	1201	489,372	1261	490,127	1325	490,853	1261
486,669	1015	487,268	996	487,949	1142	488,702	1133	489,375	1281	490,129	1217	490,854	1262
486,685	1000	487,275	1030	487,957	1112	488,705	1132	489,377	1263	490,166	1249	490,855	1261
486,693	1316	487,279	1030	487,961	1162	488,706	1319	489,379	1215	490,168	1299	490,877	1247
486,707	1347	487,280	1076	487,969	1150	488,707	1143	489,398	1259	490,201	1250	490,883	

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491,014	1364	491,320	1259	491,566	1376	491,814	1441	492,104	1392	492,543	1386	492,987	1390
491,019	1272	491,323	1268	491,567	1268	491,817	1461	492,107	1258	492,551	1386	493,046	1387
491,023	1247	491,326	1443	491,568	1260	491,839	1376	492,108	1375	492,567	1387	493,055	1502
491,036	1267	491,332	1372	491,588	1408	491,846	1418	492,157	1407	492,637	1391	493,074	1503
491,048	1289	491,343	1478	491,594	1263	491,858	1376	492,166	1406	492,648	1507	493,084	1387
491,060	1498	491,344	1478	491,619	1247	491,862	1394	492,176	1376	492,668	1392	493,101	1503
491,073	1319	491,345	1478	491,620	1441	491,894	1389	492,177	1394	492,689	1389	493,104	1392
491,076	1299	491,346	1478	491,623	1372	491,896	1407	492,178	1376	492,696	1394	493,109	1391
491,088	1372	491,349	1268	491,632	1375	491,897	1376	492,194	1394	492,697	1394	493,111	1401
491,090	1360	491,351	1366	491,638	1364	491,909	1375	492,231	1497	492,699	1390	493,224	1482
491,095	1369	491,362	1303	491,644	1376	491,925	1501	492,234	1376	492,702	1503	493,259	1387
491,102	1262	491,388	1376	491,648	1262	491,927	1389	492,241	1375	492,725	1502	493,266	1386
491,106	1248	491,398	1391	491,653	1502	491,931	1407	492,255	1478	492,726	1390	493,307	1386
491,112	1249	491,411	1261	491,654	1418	491,932	1389	492,259	1376	492,727	1387	493,308	1505
491,121	1250	491,427	1418	491,655	1418	491,951	1502	492,280	1421	492,728	1387	493,364	1506
491,147	1283	491,431	1376	491,657	1259	491,954	1418	492,290	1407	492,729	1502	493,385	1508
491,151	1274	491,441	1266	491,658	1418	491,957	1376	492,291	1393	492,742	1390	493,406	1392
491,163	1269	491,453	1258	491,659	1418	491,958	1505	492,297	1258	492,743	1407	493,415	1387
491,176	1319	491,457	1258	491,660	1418	491,959	1505	492,305	1376	492,749	1394	493,447	1386
491,208	1319	491,493	1393	491,661	1390	491,962	1263	492,306	1390	492,754	1387	493,463	1392
491,211	1318	491,494	1376	491,678	1376	491,973	1421	492,310	1390	492,767	1457	493,464	1392
491,218	1248	491,496	1272	491,702	1372	491,986	1375	492,319	1419	492,776	1454	493,465	1501
491,221	1262	491,522	1263	491,731	1375	491,992	1262	492,322	1389	492,789	1387	493,470	1387
491,227	1266	491,535	1273	491,735	1376	491,996	1260	492,350	1267	492,803	1457	493,508	1386
491,243	1457	491,527	1268	491,739	1389	492,017	1264	492,376	1386	492,812	1391	493,509	1408
491,265	1363	491,534	1352	491,778	1261	492,039	1376	492,377	1502	492,836	1386	493,519	1406
491,278	1258	491,543	1259	491,791	1376	492,042	1372	492,476	1391	492,902	1393	493,524	1388
491,279	1259	491,551	1273	491,792	1453	492,043	1395	492,496	1462	492,905	1390	493,557	1388
491,299	1259	491,552	1376	491,793	1392	492,072	1258	492,503	1389	492,914	1501	493,726	1387
491,303	1399	491,554	1443	491,798	1502	492,073	1389	492,516	1388	492,931	1407	493,898	1421
491,307	1376	491,562	1418	491,799	1502	492,093	1443	492,518	1508	492,938	1391	493,984	1509
491,312	1261	491,565	1270	491,800	1389	492,102	1372	492,528	1393	492,980	1389	494,277	1508

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1,997,636	1001	2,048,962	53	2,050,301	77	2,051,358	675	2,052,227	166	2,053,266	647	2,054,520	647
2,022,824	571	2,048,987	53	2,050,305	71	2,051,363	648	2,052,266	194	2,053,293	155	2,054,556	1213
2,036,258	745	2,049,004	71	2,050,310	72	2,051,383	669	2,052,274	673	2,053,310	151	2,054,630	152
2,039,067	395	2,049,032	53	2,050,354	74	2,051,409	193	2,052,278	675	2,053,319	647	2,054,689	452
2,039,068	395	2,049,240	53	2,050,355	74	2,051,410	193	2,052,286	166	2,053,346	670	2,054,727	154
2,039,069	395	2,049,250	74	2,050,357	76	2,051,415	670	2,052,289	187	2,053,408	671	2,054,779	148
2,039,065	571	2,049,317	72	2,050,375	72	2,054,454	670	2,052,291	153	2,053,417	675	2,054,815	689
2,040,884	786	2,049,371	73	2,050,387	73	2,051,464	153	2,052,363	671	2,053,432	1088	2,054,834	690
2,041,197	571	2,049,358	53	2,050,408	71	2,051,492	150	2,052,387	673	2,053,518	647	2,054,873	1214
2,041,584	740	2,049,359	53	2,050,478	74	2,051,535	150	2,052,391	195	2,053,570	149	2,054,889	648
2,043,119	740	2,049,370	76	2,050,493	370	2,051,536	150	2,052,393	195	2,053,655	673	2,054,894	1042
2,047,911	571	2,049,372	78	2,050,528	81	2,051,558	673	2,052,417	647	2,053,656	673	2,054,921	671
2,046,344	571	2,049,415	88	2,050,595	88	2,051,562	672	2,052,418	647	2,053,773	1076	2,054,922	671
2,046,547	101	2,049,442	105	2,050,601	72	2,051,592	677	2,052,436	162	2,053,800	670	2,054,923	671
2,046,833	571	2,049,443	73	2,050,671	226	2,051,697	673	2,052,486	162	2,053,802	606	2,054,943	636
2,046,845	740	2,049,449	73	2,050,795	47	2,051,765	1077	2,052,490	182	2,053,850	1075	2,055,017	600
2,047,945	53	2,049,476	80	2,050,796	54	2,051,766	1077	2,052,523	671	2,053,858	168	2,055,019	439
2,047,995	72	2,049,500	74	2,050,797	54	2,051,767	1077	2,052,602	151	2,053,871	453	2,055,063	458
2,048,008	112	2,049,504	162	2,050,802	53	2,051,768	1077	2,052,607	1081	2,053,881	678	2,055,082	649
2,048,044	71	2,049,517	72	2,050,820	73	2,051,779	192	2,052,649	390	2,053,924	674	2,055,084	646
2,048,152	73	2,049,524	94	2,050,843	86	2,051,796	193	2,052,658	412	2,053,925	674	2,055,136	147
2,048,163	71	2,049,525	94	2,050,844	81	2,051,823	672	2,052,699	675	2,053,956	675	2,055,195	672
2,048,164	71	2,049,547	89	2,050,871	109	2,051,840	427	2,052,714	675	2,053,977	673	2,055,220	737
2,048,165	71	2,049,553	76	2,050,872	74	2,051,863	674	2,052,740	674	2,053,977	673	2,055,220	737
2,048,166	72	2,049,567	47	2,050,923	30	2,051,891	151	2,052,809	673	2,054,053	1075	2,055,221	410
2,048,167	71	2,049,618	157	2,050,924	30	2,051,910	710	2,052,859	32	2,054,054	674	2,055,222	410
2,048,174	74	2,049,633	73	2,050,925	30	2,051,924	669	2,052,869	32	2,054,066	452	2,055,283	647
2,048,239	73	2,049,646	53	2,050,926	30	2,051,928	675	2,052,860	32	2,054,069	89	2,055,284	647
2,048,276	74	2,049,670	47	2,050,927	30	2,051,937	670	2,052,873	158	2,054,072	405	2,055,292	151
2,048,287	73	2,049,741	73	2,050,928	30	2,051,942	194	2,052,879	670	2,054,096	80	2,055,320	151
2,048,288	73	2,049,785	88	2,050,929	30	2,051,944	152	2,052,884	153	2,054,099	1077	2,055,321	148
2,048,289	73	2,049,830	71	2,050,930	30	2,051,944	152	2,052,891	155	2,054,108	376	2,055,322	148
2,048,309	71	2,049,864	47	2,050,931	29	2,051,991	670	2,052,892	53	2,054,112	153	2,055,323	151
2,048,369	72	2,049,888	155	2,050,932	28	2,052,028	1096	2,052,892	53	2,054,112	153	2,055,323	151
2,048,370	72	2,049,927	73	2,050,932	28	2,052,136	670	2,052,902	646	2,054,113	153	2,055,332	647
2,048,526	72	2,049,975	81	2,050,933	28	2,052,139	672	2,052,920	1035	2,054,114	153	2,055,359	674
2,048,549	72	2,049,977	81	2,050,938	28	2,052,140	672	2,052,997	1082	2,054,115	153	2,055,393	675
2,048,552	72	2,049,978	162	2,050,979	86	2,052,142	672	2,053,007	187	2,054,116	153	2,055,446	648
2,048,563	74	2,049,989	105	2,050,996	194	2,052,143	672	2,053,011	152	2,054,208	1027	2,055,450	643
2,048,567	78	2,050,040	73	2,050,997	194	2,052,145	150	2,053,012	97	2,054,226	648	2,055,459	133
2,048,594	74	2,050,043	74	2,051,017	223	2,052,148	29	2,053,013	97	2,054,243	1075	2,055,467	672
2,048,647	73	2,050,069	74	2,051,029	647	2,052,148	29	2,053,066	647	2,054,285	1075	2,055,468	690
2,048,648	73	2,050,077	73	2,051,168	152	2,052,149	26	2,053,096	671	2,054,299	150	2,055,588	638
2,048,706	73	2,050,118	107	2,051,170	153	2,052,170	194	2,053,097	671	2,054,300	149	2,055,597	691
2,048,707	73	2,050,080	34	2,051,198	150	2,052,172	169	2,053,099	621	2,054,301</			

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2,055,732	672	2,057,189	6	2,058,376	285	2,059,558	672	2,060,928	1079	2,061,938	10	2,062,971	271
2,055,740	672	2,057,192	80	2,058,385	5	2,059,559	672	2,060,940	272	2,061,960	77	2,062,977	179
2,055,799	153	2,057,246	27	2,058,429	288	2,059,560	672	2,060,948	285	2,061,972	277	2,062,980	261
2,055,808	112	2,057,254	101	2,058,450	4	2,059,569	648	2,060,957	77	2,061,994	286	2,062,996	238
2,055,827	689	2,057,257	10	2,058,456	81	2,059,570	605	2,060,959	72	2,061,995	286	2,063,001	896
2,055,953	694	2,057,271	180	2,058,475	409	2,059,640	78	2,060,964	500	2,062,005	58	2,063,014	321
2,055,961	677	2,057,272	180	2,058,476	363	2,059,645	234	2,060,977	78	2,062,011	593	2,063,027	140
2,055,962	677	2,057,274	284	2,058,480	270	2,059,673	9	2,061,031	636	2,062,025	740	2,063,028	140
2,055,963	677	2,057,282	161	2,058,494	283	2,059,725	9	2,061,045	79	2,062,028	288	2,063,029	270
2,056,048	669	2,057,289	195	2,058,503	269	2,059,750	647	2,061,056	289	2,062,038	288	2,063,034	694
2,056,062	112	2,057,296	155	2,058,522	7	2,059,787	452	2,061,063	700	2,062,039	318	2,063,065	239
2,056,082	451	2,057,306	162	2,058,522	27	2,059,788	452	2,061,089	8	2,062,064	270	2,063,066	239
2,056,114	640	2,057,314	77	2,058,551	46	2,059,789	452	2,061,090	76	2,062,072	271	2,063,073	1082
2,056,121	94	2,057,315	77	2,058,560	94	2,059,791	692	2,061,098	61	2,062,074	693	2,063,078	1334
2,056,135	639	2,057,316	94	2,058,582	284	2,059,795	6	2,061,099	58	2,062,075	573	2,063,082	81
2,056,141	638	2,057,330	380	2,058,587	727	2,059,811	464	2,061,106	76	2,062,080	61	2,063,097	237
2,056,142	691	2,057,338	72	2,058,596	410	2,059,814	6	2,061,107	76	2,062,091	53	2,063,102	277
2,056,162	178	2,057,348	1039	2,058,597	411	2,059,828	452	2,061,122	683	2,062,116	286	2,063,113	1010
2,056,163	214	2,057,349	1039	2,058,598	411	2,059,835	464	2,061,127	642	2,062,133	554	2,063,133	81
2,056,164	179	2,057,368	179	2,058,649	419	2,059,857	7	2,061,182	734	2,062,134	554	2,063,134	695
2,056,166	365	2,057,382	60	2,058,664	270	2,059,881	636	2,061,185	648	2,062,137	554	2,063,140	679
2,056,175	178	2,057,393	58	2,058,669	9	2,059,905	451	2,061,186	42	2,062,159	693	2,063,143	318
2,056,184	181	2,057,399	227	2,058,683	1215	2,059,915	671	2,061,194	647	2,062,171	554	2,063,144	140
2,056,185	148	2,057,402	30	2,058,703	362	2,059,943	692	2,061,200	42	2,062,178	507	2,063,151	139
2,056,207	166	2,057,446	9	2,058,761	77	2,059,947	362	2,061,203	1079	2,062,191	594	2,063,154	274
2,056,209	152	2,057,451	228	2,058,771	197	2,059,948	695	2,061,205	635	2,062,211	6	2,063,158	1076
2,056,211	410	2,057,452	57	2,058,791	362	2,059,971	1213	2,061,211	639	2,062,255	693	2,063,161	42
2,056,233	179	2,057,459	162	2,058,792	362	2,059,981	694	2,061,246	274	2,062,264	598	2,063,162	39
2,056,234	179	2,057,469	156	2,058,797	409	2,059,983	58	2,061,250	286	2,062,273	554	2,063,163	690
2,056,236	498	2,057,475	180	2,058,821	519	2,060,016	635	2,061,251	286	2,062,312	38	2,063,166	311
2,056,266	154	2,057,476	180	2,058,840	197	2,060,017	58	2,061,257	7	2,062,324	226	2,063,176	1028
2,056,280	410	2,057,479	223	2,058,846	181	2,060,022	76	2,061,259	4	2,062,329	179	2,063,177	897
2,056,283	138	2,057,497	6	2,058,857	286	2,060,035	691	2,061,264	284	2,062,330	318	2,063,182	291
2,056,294	153	2,057,498	6	2,058,852	1214	2,060,039	76	2,061,267	286	2,062,331	318	2,063,197	289
2,056,324	150	2,057,518	179	2,058,865	197	2,060,056	635	2,061,276	697	2,062,333	237	2,063,201	271
2,056,358	158	2,057,526	4	2,058,873	291	2,060,070	674	2,061,323	5	2,062,335	274	2,063,219	269
2,056,386	179	2,057,554	178	2,058,874	291	2,060,071	671	2,061,328	250	2,062,340	287	2,063,239	1079
2,056,436	409	2,057,567	112	2,058,879	300	2,060,073	671	2,061,332	270	2,062,344	38	2,063,240	1079
2,056,442	408	2,057,569	57	2,058,881	32	2,060,074	671	2,061,333	237	2,062,346	34	2,063,245	977
2,056,453	408	2,057,578	9	2,058,884	285	2,060,083	61	2,061,338	1078	2,062,349	38	2,063,252	274
2,056,454	408	2,057,598	9	2,058,885	285	2,060,084	61	2,061,351	8	2,062,366	23	2,063,266	274
2,056,455	689	2,057,604	76	2,058,886	285	2,060,091	29	2,061,352	74	2,062,368	38	2,063,274	291
2,056,456	408	2,057,623	227	2,058,887	285	2,060,097	635	2,061,357	5	2,062,378	1077	2,063,302	270
2,056,457	408	2,057,629	134	2,058,890	10	2,060,129	695	2,061,357	5	2,062,378	1077	2,063,302	270
2,056,459	408	2,057,630	134	2,058,924	5	2,060,133	671	2,061,368	692	2,062,387	727	2,063,315	691
2,056,460	409	2,057,631	134	2,058,961	363	2,060,133	671	2,061,374	643	2,062,426	179	2,063,322	46
2,056,461	409	2,057,671	194	2,058,960	269	2,060,134	671	2,061,376	5	2,062,427	179	2,063,324	896
2,056,462	409	2,057,672	192	2,058,984	277	2,060,135	671	2,061,390	76	2,062,442	636	2,063,348	735
2,056,499	178	2,057,673	193	2,058,985	227	2,060,136	671	2,061,451	697	2,062,443	143	2,063,365	39
2,056,540	161	2,057,674	193	2,058,985	227	2,060,138	671	2,061,500	710	2,062,448	179	2,063,367	863
2,056,564	178	2,057,675	157	2,058,986	277	2,060,160	452	2,061,505	269	2,062,450	41	2,063,369	33
2,056,569	87	2,057,677	61	2,058,987	277	2,060,166	10	2,061,507	293	2,062,454	37	2,063,401	283
2,056,575	418	2,057,678	61	2,059,019	286	2,060,169	9	2,061,509	304	2,062,457	179	2,063,402	283
2,056,576	96	2,057,679	61	2,059,044	9	2,060,177	670	2,061,517	8	2,062,505	162	2,063,416	155
2,056,594	135	2,057,693	8	2,059,052	288	2,060,183	53	2,061,523	273	2,062,537	272	2,063,420	140
2,056,611	148	2,057,715	199	2,059,053	289	2,060,228	405	2,061,528	292	2,062,541	274	2,063,438	277
2,056,612	150	2,057,717	87	2,059,058	284	2,060,230	7	2,061,531	697	2,062,543	292	2,063,450	966
2,056,627	166	2,057,733	58	2,059,084	411	2,060,242	7	2,061,554	74	2,062,545	292	2,063,470	284
2,056,656	410	2,057,755	4	2,059,106	6	2,060,253	636	2,061,558	593	2,062,563	636	2,063,472	240
2,056,708	179	2,057,762	286	2,059,110	1214	2,060,310	710	2,061,560	573	2,062,638	735	2,063,473	250
2,056,746	154	2,057,765	193	2,059,149	361	2,060,311	648	2,061,564	8	2,062,642	273	2,063,488	269
2,056,764	179	2,057,766	193	2,059,176	4	2,060,342	642	2,061,567	94	2,062,650	162	2,063,491	249
2,056,765	179	2,057,786	287	2,059,184	363	2,060,343	642	2,061,570	508	2,062,652	134	2,063,494	249
2,056,766	178	2,057,804	53	2,059,191	7	2,060,365	673	2,061,591	77	2,062,668	735	2,063,513	283
2,056,787	461	2,057,814	8	2,059,259	683	2,060,375	673	2,061,592	77	2,062,667	226	2,063,516	31
2,056,793	409	2,057,831	361	2,059,260	690	2,060,389	4	2,061,624	287	2,062,671	690	2,063,517	31
2,056,794	409	2,057,882	61	2,059,278	88	2,060,404	690	2,061,635	554	2,062,680	39	2,063,518	31
2,056,795	409	2,057,887	8	2,059,280	76	2,060,422	101	2,061,639	270	2,062,681	326	2,063,522	30
2,056,796	409	2,057,892	284	2,059,284	8	2,060,453	672	2,061,648	285	2,062,687	241	2,063,529	285
2,056,797	409	2,057,895	5	2,059,288	234	2,060,457	691	2,061,674	557	2,062,712	897	2,063,540	1076
2,056,809	367	2,057,958	57	2,059,310	694	2,060,461	728	2,061,686	507	2,062,714	261	2,063,541	1078
2,056,810	408	2,057,960	157	2,059,316	6	2,060,529	635	2,061,696	288	2,062,743	37	2,063,542	1076
2,056,826	349	2,057,985	271	2,059,326	362	2,060,530	675	2,061,705	501	2,062,750	1076	2,063,543	274
2,056,832	411	2,057,989	195	2,059,343	153	2,060,539	673	2,061,708	4	2,062,755	710	2,063,564	1011
2,056,836	411	2,057,999	195	2,059,372	7	2,060,572	694	2,061,709	508	2,062,781	241	2,063,572	1369
2,056,894	162	2,058,019	227	2,059,377	6	2,060,576	414	2,061,732	555	2,062,782	728	2,063,575	250
2,056,924	182	2,058,021	363	2,059,394	689	2,060,581	452	2,061,741	76	2,062,785	716	2,063,579	286
2,056,926	182	2,058,026	7										

No. of Patent.	Page. B.	No. of Patent.	Page. B.	No. of Patent.	Page. B.	No. of Patent.	Page. B.	No. of Patent.	Page. B.	No. of Patent.	Page. B.	No. of Patent.	Page. B.
2,063,857	33	2,064,798	250	2,065,821	332	2,066,615	332	2,067,473	351	2,068,277	365	2,069,117	1333
2,063,868	140	2,064,800	1165	2,065,836	326	2,066,622	254	2,067,474	464	2,068,284	488	2,069,151	1337
2,063,869	1078	2,064,802	700	2,065,848	1188	2,066,643	694	2,067,480	1283	2,068,296	1059	2,069,157	1242
2,063,880	1011	2,064,805	249	2,065,849	234	2,066,665	535	2,067,494	352	2,068,299	1284	2,069,165	590
2,063,926	239	2,064,808	464	2,065,850	116	2,066,670	26	2,067,501	1284	2,068,304	169	2,069,166	590
2,063,933	29	2,064,813	429	2,065,853	1142	2,066,685	31	2,067,506	451	2,068,312	488	2,069,167	590
2,063,942	287	2,064,817	141	2,065,857	188	2,066,686	34	2,067,507	1178	2,068,313	488	2,069,170	250
2,063,953	274	2,064,833	332	2,065,877	1144	2,066,710	740	2,067,530	1177	2,068,321	488	2,069,172	250
2,063,972	1112	2,064,835	781	2,065,881	1151	2,066,717	256	2,067,532	352	2,068,322	1058	2,069,173	250
2,063,979	181	2,064,838	781	2,065,892	1151	2,066,737	310	2,067,534	1179	2,068,350	491	2,069,178	1333
2,064,000	239	2,064,842	31	2,065,925	1146	2,066,738	399	2,067,538	1157	2,068,353	590	2,069,182	1294
2,064,005	26	2,064,866	695	2,065,928	142	2,066,759	695	2,067,548	399	2,068,355	1337	2,069,183	486
2,064,006	26	2,064,867	781	2,065,937	1200	2,066,774	511	2,067,580	1196	2,068,371	490	2,069,187	1324
2,064,007	26	2,064,872	1227	2,065,941	377	2,066,778	1178	2,067,586	1199	2,068,372	490	2,069,194	759
2,064,031	288	2,064,875	692	2,065,942	377	2,066,793	333	2,067,590	334	2,068,373	488	2,069,203	804
2,064,076	261	2,064,876	692	2,065,947	809	2,066,842	1178	2,067,606	1157	2,068,383	332	2,069,204	804
2,064,109	238	2,064,885	139	2,065,962	332	2,066,848	1177	2,067,616	851	2,068,394	333	2,069,205	804
2,064,110	318	2,064,898	1232	2,065,967	805	2,066,856	1234	2,067,628	1113	2,068,395	333	2,069,206	805
2,064,113	239	2,064,901	831	2,066,015	782	2,066,853	1177	2,067,630	1177	2,068,411	376	2,069,225	780
2,064,118	1145	2,064,929	1146	2,066,039	1144	2,066,857	1205	2,067,631	1177	2,068,415	488	2,069,226	780
2,064,135	1214	2,064,950	410	2,066,040	1144	2,066,870	1178	2,067,643	334	2,068,428	464	2,069,260	805
2,064,139	700	2,064,954	331	2,066,044	781	2,066,896	511	2,067,645	335	2,068,430	370	2,069,273	348
2,064,150	283	2,064,960	400	2,066,054	805	2,066,911	1176	2,067,686	414	2,068,434	399	2,069,274	348
2,064,151	239	2,064,999	31	2,066,066	1197	2,066,925	326	2,067,703	1181	2,068,436	346	2,069,314	346
2,064,158	1324	2,065,069	380	2,066,079	1152	2,066,925	31	2,067,704	353	2,068,447	398	2,069,325	469
2,064,162	299	2,065,082	806	2,066,081	400	2,066,926	1176	2,067,707	380	2,068,448	398	2,069,326	469
2,064,184	291	2,065,110	139	2,066,082	23	2,066,933	31	2,067,720	371	2,068,459	335	2,069,329	481
2,064,234	287	2,065,111	139	2,066,083	23	2,066,951	255	2,067,729	350	2,068,465	464	2,069,331	469
2,064,246	238	2,065,112	781	2,066,115	782	2,066,954	323	2,067,746	1181	2,068,468	333	2,069,365	805
2,064,260	270	2,065,114	1227	2,066,138	332	2,067,006	1178	2,067,747	1179	2,068,479	1333	2,069,388	586
2,064,292	1198	2,065,117	405	2,066,139	332	2,067,007	1177	2,067,762	379	2,068,483	380	2,069,389	470
2,064,300	265	2,065,118	397	2,066,153	781	2,067,012	1164	2,067,764	30	2,068,489	117	2,069,407	809
2,064,301	285	2,065,119	397	2,066,164	33	2,067,013	255	2,067,772	1164	2,068,498	405	2,069,423	804
2,064,307	289	2,065,145	812	2,066,165	33	2,067,014	1178	2,067,778	1177	2,068,499	400	2,069,425	786
2,064,323	287	2,065,147	332	2,066,166	33	2,067,019	256	2,067,802	34	2,068,511	333	2,069,490	470
2,064,330	834	2,065,157	806	2,066,173	134	2,067,020	952	2,067,823	330	2,068,516	461	2,069,538	379
2,064,331	140	2,065,190	321	2,066,184	209	2,067,029	27	2,067,853	1280	2,068,520	334	2,069,555	468
2,064,332	355	2,065,201	30	2,066,189	138	2,067,030	30	2,067,859	1196	2,068,521	464	2,069,564	1108
2,064,337	270	2,065,207	805	2,066,191	138	2,067,043	335	2,067,862	1197	2,068,546	1291	2,069,566	806
2,064,338	29	2,065,218	815	2,066,197	226	2,067,046	1164	2,067,866	1231	2,068,557	1063	2,069,568	782
2,064,355	1143	2,065,229	334	2,066,198	130	2,067,047	1164	2,067,873	350	2,068,574	331	2,069,583	408
2,064,356	1143	2,065,241	209	2,066,200	34	2,067,050	32	2,067,874	1176	2,068,599	332	2,069,584	598
2,064,359	1217	2,065,257	33	2,066,208	812	2,067,052	26	2,067,888	1289	2,068,607	484	2,069,596	347
2,064,361	1161	2,065,248	33	2,066,209	781	2,067,073	1194	2,067,894	590	2,068,614	133	2,069,620	347
2,064,384	1142	2,065,249	32	2,066,213	30	2,067,080	332	2,067,899	1034	2,068,630	362	2,069,626	348
2,064,387	1193	2,065,281	29	2,066,216	34	2,067,085	330	2,067,906	693	2,068,631	1280	2,069,629	467
2,064,390	240	2,065,288	24	2,066,234	32	2,067,110	399	2,067,908	1227	2,068,635	134	2,069,653	470
2,064,398	239	2,065,321	805	2,066,251	331	2,067,115	457	2,067,910	1332	2,068,636	334	2,069,658	805
2,064,403	240	2,065,323	137	2,066,257	396	2,067,128	32	2,067,911	1227	2,068,640	397	2,069,660	816
2,064,410	1205	2,065,331	1331	2,066,263	214	2,067,134	399	2,067,912	1227	2,068,641	376	2,069,705	806
2,064,413	137	2,065,332	214	2,066,271	333	2,067,137	33	2,067,913	1228	2,068,690	1035	2,069,710	782
2,064,441	283	2,065,371	25	2,066,274	25	2,067,161	32	2,067,914	471	2,068,738	573	2,069,713	809
2,064,455	32	2,065,379	397	2,066,280	321	2,067,162	32	2,067,919	1330	2,068,742	1088	2,069,714	468
2,064,468	140	2,065,387	1146	2,066,281	332	2,067,166	1178	2,067,920	331	2,068,783	333	2,069,717	804
2,064,479	285	2,065,392	804	2,066,287	571	2,067,172	413	2,067,927	507	2,068,782	1329	2,069,718	805
2,064,484	24	2,065,394	138	2,066,289	370	2,067,193	32	2,067,928	507	2,068,785	1058	2,069,749	148
2,064,486	27	2,065,395	1146	2,066,295	380	2,067,198	32	2,067,929	507	2,068,795	399	2,069,753	519
2,064,487	86	2,065,396	1146	2,066,296	380	2,067,205	334	2,067,938	1280	2,068,798	371	2,069,785	347
2,064,495	285	2,065,400	138	2,066,327	539	2,067,213	461	2,067,940	133	2,068,799	376	2,069,790	348
2,064,497	326	2,065,404	786	2,066,329	253	2,067,227	1157	2,067,941	1332	2,068,822	1034	2,069,847	348
2,064,506	32	2,065,408	781	2,066,330	253	2,067,234	1196	2,067,949	376	2,068,834	484	2,069,850	542
2,064,510	240	2,065,418	226	2,066,331	253	2,067,261	456	2,067,960	486	2,068,842	1057	2,069,873	586
2,064,511	240	2,065,439	380	2,066,354	333	2,067,264	28	2,067,985	161	2,068,845	249	2,069,875	804
2,064,522	293	2,065,459	542	2,066,362	333	2,067,279	1324	2,068,016	484	2,068,847	250	2,069,884	586
2,064,529	326	2,065,460	399	2,066,364	333	2,067,291	853	2,068,027	456	2,068,848	274	2,069,903	808
2,064,532	287	2,065,520	1188	2,066,376	371	2,067,293	1177	2,068,031	362	2,068,850	250	2,069,906	806
2,064,541	29	2,065,526	151	2,066,385	1144	2,067,297	1199	2,068,032	362	2,068,854	485	2,069,927	346
2,064,546	273	2,065,534	806	2,066,386	28	2,067,299	1201	2,068,033	362	2,068,857	250	2,069,929	346
2,064,549	30	2,065,540	138	2,066,399	461	2,067,306	1177	2,068,039	1078	2,068,872	484	2,069,989	469
2,064,551	271	2,065,547	805	2,066,418	990	2,067,307	1177	2,068,048	333	2,068,880	1031	2,070,014	348
2,064,554	239	2,065,551	33	2,066,421	1147	2,067,308	1177	2,068,066	693	2,068,904	1059	2,070,036	519
2,064,558	29	2,065,563	396	2,066,448	966	2,067,312	379	2,068,071	332	2,068,905	485	2,070,074	470
2,064,564	138	2,065,566	371	2,066,449	966	2,067,313	379	2,068,081	586	2,068,919	554	2,070,076	781
2,064,565	1194	2,065,570	400	2,066,454	539	2,067,316	1198	2,068,088	1130	2,068,923	376	2,070,098	345
2,064,571	139	2,065,583	334	2,066,457	479	2,067,321	333	2,068,089	1242	2,068,924	375	2,070,099	345
2,064,580	1201	2,065,587	302	2,066,461	252	2,067,326	1279	2,068,094	334	2,068,925			

