

PHAT1 Experiment with MLPQNA - photometric redshift Catalogue

ID	U	B	V	R	I	Z	F435W	F606W	F775W	F850LP	J	H	HK	K	m3,6	m4,5	m5,8	m8	zspect	18-band-zphot	14-band-zphot
1	24,925362	24,374819	24,311789	24,137711	24,230565	23,971236	25,0166	24,6584	24,4675	24,6131	23,395487	23,132701	22,532227	99	21,874	21,8237	-99	21,6502	-9,999	2,65738	2,74695
2	25,46196	24,801726	24,958946	24,724696	24,640671	24,518728	25,241	24,8141	24,8067	24,7622	24,240552	23,361276	22,654614	24,08153	23,3501	23,7121	-99	23,6005	2,466	2,36877	2,24009
3	26,483137	25,508755	25,243821	25,000985	24,887395	24,833647	25,831	25,0905	24,9721	24,9953	24,1469	23,442325	26,587905	23,03764	23,3514	23,2354	23,415	23,4571	2,601	2,51384	2,42377
4	25,645025	25,040804	24,91964	24,746935	24,754109	24,701878	25,2146	24,7656	24,577	24,5224	23,558929	23,808186	23,099507	23,733861	23,7321	23,7786	-99	99	-9,999	1,98794	2,13098
7	25,296369	24,606453	24,32859	24,245034	23,964529	23,769526	24,7894	24,3587	24,114	23,8686	22,765523	22,37008	22,166139	22,222685	21,9817	21,9965	22,0966	22,4156	-9,999	2,11607	1,99064
8	24,889897	24,391872	24,270152	24,331604	24,168599	24,343737	24,5628	24,2938	24,187	24,1868	23,431747	23,758312	99	23,492411	23,06	23,1027	-99	23,8108	-9,999	2,26939	1,93886
9	24,983389	24,219447	23,872872	23,712353	23,640276	23,513104	24,7085	24,1256	24,0388	24,0237	23,760915	24,495773	22,413605	24,092677	22,506	22,4414	22,5662	23,2484	-9,999	2,71767	2,50417
10	25,470303	24,872297	24,889426	24,625875	24,640618	24,493462	24,9817	24,6508	24,5162	24,4084	23,348486	23,80776	22,997736	23,14786	22,1201	22,2505	21,9512	22,3302	1,996	1,95148	2,11196
12	24,437793	24,183846	24,194406	24,034549	23,931135	23,691282	24,3779	24,1059	23,8509	23,6239	23,304203	23,83475	22,326991	22,542427	22,0076	21,9685	21,8549	22,1775	-9,999	2,08868	1,77683
13	25,564715	24,712832	24,431571	24,279304	24,031065	23,849997	25,0267	24,5065	24,326	24,1162	23,161829	23,05746	22,406539	22,595241	21,6971	21,8065	21,7677	21,892	-9,999	2,272	2,29801
14	26,221154	25,293571	24,778335	24,496735	24,546269	24,254506	25,4382	24,6477	24,4325	24,2977	23,140248	22,808815	22,69369	22,965186	21,9695	21,9246	22,1248	22,2361	-9,999	2,26483	2,10056
15	24,892715	24,464218	24,365801	24,190674	23,987137	23,813485	24,5453	24,2217	23,9236	23,6099	23,226857	23,057596	22,356129	22,611896	22,0338	22,1139	23,1362	23,1304	-9,999	1,82791	1,62647
17	25,611347	24,924823	24,693248	24,615151	24,535494	24,667907	24,9823	24,6306	24,5554	24,4737	23,453127	22,95524	29,367899	25,822039	23,1534	23,1516	23,4564	24,0614	-9,999	2,19981	1,96967
19	25,259078	24,685296	24,423854	24,373706	24,009037	23,931144	24,8647	24,4542	24,1954	24,0737	22,970732	23,077429	23,408213	22,306741	21,5601	21,6634	21,7535	21,5761	2,049	2,20131	1,94983
20	24,007595	23,57719	23,402093	23,357751	23,234421	23,185176	23,8388	23,5001	23,4262	23,2953	22,74076	22,645099	22,087791	22,205645	21,5018	21,5434	-99	21,499	2,079	2,10896	1,72902
21	25,400828	24,818754	24,597413	24,473967	24,422601	24,486777	24,953	24,4727	24,4214	24,233	23,572881	23,202761	23,825795	23,646753	23,0133	22,8569	23,5459	22,8204	-9,999	2,15326	1,84891
24	24,737283	24,424822	24,1965	24,094816	23,935456	23,948622	24,3505	24,0597	23,9193	23,7723	22,835434	22,788199	23,436477	23,445036	22,7115	22,6634	22,6417	23,7422	-9,999	1,7306	1,42117
25	26,38589	25,358831	25,00107	24,704246	24,52894	24,606881	25,3321	24,7125	24,3641	24,2221	25,791291	23,715117	22,839307	99	25,4558	26,2189	99	99	-9,999	1,12498	2,44051
26	24,172511	23,934017	23,83511	23,702313	23,348113	23,155219	24,0902	23,8158	23,5435	23,2623	22,164459	22,181141	22,19476	22,251451	21,6447	21,6211	21,7845	21,973	-9,999	1,74465	1,29318
27	25,978567	25,221069	25,209299	25,144638	24,971762	24,728551	25,6586	25,3111	25,1863	25,088	23,610302	24,963666	22,657021	99	23,9579	24,431	24,0398	24,8938	-9,999	2,99527	2,21063
28	24,873819	24,644285	24,689055	24,640963	24,648814	24,487626	24,8188	24,5908	24,6013	24,3441	23,102767	24,614502	23,551563	24,50649	23,2583	23,5997	25,8867	99	-9,999	1,73932	1,88938
29	23,478495	23,087451	22,888097	22,927825	22,771245	22,695783	23,1712	22,891	22,7692	22,6381	21,857972	21,880118	21,588546	21,680934	21,4505	21,4001	-99	22,0786	-9,999	1,49409	0,857576
30	22,574109	21,95742	21,674637	21,548927	21,50106	21,445735	21,4275	21,0124	20,7904	20,7487	21,137505	21,115349	20,562003	21,026721	20,6915	20,641	20,8684	21,3481	0,08	0,396976	0,0876681
31	25,973819	25,049741	24,878402	24,666925	24,463477	24,375135	25,4725	25,2093	25,0265	24,9173	99	99	23,877259	99	22,6405	22,5428	22,1674	23,4366	-9,999	1,37812	-0,474244
33	25,447721	25,086656	25,107808	25,03112	25,089765	24,700909	25,3974	25,2868	25,1733	25,0812	24,54812	24,157471	23,106203	99	24,3784	24,7842	25,2171	99	-9,999	2,86061	2,09393
35	24,601126	24,285899	24,149715	23,972053	23,743034	23,530086	24,1535	23,9956	23,6261	23,329	22,33215	22,430441	22,274721	99	21,7269	21,6812	22,3016	22,2657	1,891	1,7522	1,56231
36	25,455799	24,885731	24,799647	24,645862	24,848013	24,641052	25,5491	25,129	25,125	25,084	23,985626	23,093074	25,777836	23,433813	24,4517	24,5144	25,2871	99	-9,999	2,51787	2,00238
37	25,000227	24,750474	24,858833	24,641815	24,403226	24,177632	25,1792	24,9629	24,8092	24,4046	23,06125	22,73975	22,823031	24,652464	23,36	23,5245	26,385	23,5689	-9,999	1,56107	1,80041
38	24,3466	24,094143	23,915925	23,886957	23,808766	23,735838	23,9558	23,7509	23,4622	23,3508	22,68895	23,304013	22,543446	22,359659	22,3063	22,2676	22,2533	23,0048	1,871	1,9125	1,84142
39	25,723855	24,802682	24,470799	24,323223	24,216399	24,149419	24,9974	24,3476	24,2908	24,1302	23,46217	23,391075	23,207155	24,396922	22,1754	22,218	22,1214	22,6936	-9,999	2,31985	1,89573
41	24,853083	24,493102	24,326944	24,363209	24,434613	24,335088	26,1871	25,8121	25,6108	25,6783	23,706641	23,134179	23,144974	23,261252	23,4284	23,462	23,2002	99	-9,999	2,0797	1,91972
42	25,86365	25,194111	25,004222	24,92123	24,857693	24,581897	24,8528	24,2587	24,0303	23,5238	23,736149	23,856397	23,497196	99	23,3718	23,0985	-99	23,2416	2,039	0,527042	2,08458
43	26,018241	25,580263	25,318807	25,14016	25,120121	24,852981	26,5155	25,815	25,6638	25,3513	23,659862	22,931382	22,840002	99	22,5726	22,5513	22,3671	22,7382	-9,999	2,28817	1,92203
44	25,777814	25,264537	25,092456	25,141579	25,078571	24,998695	25,4656	25,165	25,2243	25,1999	23,894211	26,842124	26,764357	23,346728	24,1757	24,1431	24,4013	26,7863	-9,999	2,87245	1,35332
45	25,039631	24,391868	24,095293	24,001013	23,617953	23,396151	24,3385	23,9686	23,6172	23,2522	22,450911	23,158777	22,176973	21,301111	21,2309	21,1268	20,9745	21,0544	-9,999	1,63344	1,34377
46	24,999325	24,377632	24,190311	24,095852	24,042735	23,998365	24,7621	24,343	24,3306	24,2654	23,856197	24,1285	23,469394	24,133945	23,214	23,2799	23,5179	23,6629	-9,999	2,0075	2,29828
47	24,923363	24,386367	24,240527	24,203582	24,153277	24,152792	25,0811	24,9768	24,8908	24,6361	23,357885	23,162831	24,659765	25,209361	22,6857	22,5142	22,8195	23,8701	-9,999	2,08415	2,26382
48	25,499603	24,66076	24,502511	24,343225	24,380523	24,097933	24,8302	24,3917	24,3019	24,117	23,618307	23,161641	22,073589	22,481519	22,5702	22,5244	22,8972	23,3864	-9,999	2,34335	2,36768
49	25,686272	24,882037	24,804929	24,546396	24,481439	24,370032	24,9284	24,8358	24,7305	24,7822	25,513867	24,835617	25,28515	24,140141	23,8684	24,0268	24,7624	23,6136	2,589	2,48964	2,75407
51	24,708256	24,286454	24,189937	24,034804	23,802982	23,697114	24,5314	24,1437	23,8274	23,6226	22,392386	22,840898	22,423288	22,204733	21,9507	21,8514	-99	22,5751	-9,999	2,10193	1,72032
52	25,581115	25,01199	24,736752	24,777655	24,638039	24,412363	25,0242	24,6691	24,5727	24,2919	24,023709	24,480628	22,405804	99	23,3147	23,2285	-99	23,6562	-9,999	2,14049	2,2029
53	24,157488	24,029978	23,935642	23,920388	23,760712	23,821068	24,0946	23,9194	23,7505	23,6314	22,752749	22,680103	22,526709	22,496748	22,3473	22,2674	22,4509	22,9582	-9,999	2,20771	1,82857
54	25,8957	25,200738	25,03825	24,962543	24,688001	24,443233	25,5892	25,2784	25,0425	24,5979	23,31589	22,649278	22,587536	22,495614	21,87	21,7414	21,8407	22,6964	-9,999	2,16733	2,30041
57	25,036287	24,488869	24,297409	24,129438	23,817528	23,764649	24,623														

68	25,863799	25,412591	24,88355	24,766127	24,383417	23,918081	25,2994	24,6098	24,1629	23,7689	22,604095	22,504541	21,886637	21,798209	21,3426	21,2531	-99	21,8338	-9,999	1,41301	0,889131
72	25,11811	24,282628	23,943874	23,852063	23,762941	23,558418	24,1332	23,7453	23,6089	23,4073	23,146505	22,908311	22,350595	21,855464	21,5591	21,4668	21,3357	21,7028	2,275	2,01646	1,65569
75	24,277707	23,904713	23,696789	23,701151	23,691116	23,702889	99	23,7725	23,7439	23,7741	23,039822	22,30003	22,305735	23,719369	22,8618	22,959	-99	24,4166	-9,999	0,539958	0,816529
76	24,542387	24,627395	24,69679	24,685287	24,18075	24,118625	24,7495	24,6864	24,1966	24,003	24,358719	99	23,16598	23,324631	24,1002	25,0609	25,4166	25,6346	-9,999	1,04692	1,35457
77	25,25,8054	25,164402	25,084078	24,994595	24,978486	25,236641	26,6723	26,1886	26,0719	26,2517	24,149362	23,556958	23,347629	23,434837	23,6591	23,7493	-99	23,3891	2,41	2,30205	2,46854
78	25,067739	24,732316	24,744605	24,526097	24,371838	24,111219	24,8927	24,5856	24,4198	24,1789	22,999289	22,959715	21,935109	21,91659	22,6726	22,6517	-99	23,4291	-9,999	1,83869	1,9383
79	24,822226	24,480577	24,415716	24,39186	24,390486	24,271167	24,7681	24,5962	24,6652	24,5887	23,707571	23,609853	24,062703	23,160945	23,4154	23,3965	23,0577	24,0632	2,27	2,27214	2,03151
80	23,596338	23,452025	23,383292	23,330578	23,24679	23,169442	23,8362	23,6484	23,5024	23,3632	22,352365	22,228022	22,587128	22,484446	22,3103	22,2676	22,6219	23,0187	1,675	1,60564	1,926
81	24,667872	24,233723	24,138261	24,111415	23,99947	24,011954	24,9214	24,8059	24,8265	24,8061	23,174997	23,585304	22,551129	99	23,3499	23,5031	23,479	27,3838	2,301	2,33312	2,44176
82	25,519715	24,585662	24,157762	24,06281	24,001911	23,986573	24,9093	24,1294	24,0195	23,9071	22,987581	22,935584	22,821099	23,040564	22,5812	22,5826	22,6383	23,1663	-9,999	2,38802	1,76909
86	25,208888	24,774407	24,617617	24,48976	24,111276	23,995542	24,8037	24,4243	24,0231	23,644	22,879838	23,456905	21,70318	21,767789	21,1229	20,8868	20,6773	21,1489	-9,999	1,78268	1,42625
87	25,61472	25,00102	24,644386	24,551736	24,347593	24,192241	24,9432	24,6042	24,3742	24,1544	23,451076	22,533232	22,355692	22,316495	21,7924	21,7053	21,5733	22,1463	-9,999	2,24482	2,09555
90	25,41927	24,695976	24,582347	24,514702	24,413666	24,33257	24,9251	24,5941	24,4925	24,4843	23,761879	23,03674	23,094934	99	23,6197	23,6759	23,3814	24,1096	-9,999	1,9332	2,39596
93	24,275051	23,689026	23,477809	23,36792	23,327526	24,7474	24,2767	24,1605	24,4034	23,191105	22,679019	22,285091	22,126715	22,3854	22,4593	22,5301	22,7936	-9,999	2,04285	3,10948	
95	25,670566	24,895562	24,585898	24,267096	24,136345	25,0668	24,5516	24,4371	24,4439	24,006737	24,137987	99	99	99	23,7127	23,6857	23,5656	23,8435	-9,999	1,67163	2,25188
96	24,368566	24,070141	24,029632	23,866261	23,639516	23,402863	23,9915	23,8635	23,5668	23,3296	22,67256	22,343983	21,771884	21,892179	21,6038	21,5354	21,8546	21,9836	-9,999	1,80354	1,58561
97	24,685137	24,395564	24,193907	24,236456	23,976941	23,799732	24,4666	24,2182	24,0629	23,7898	23,451713	22,940265	22,218142	23,429008	21,6948	21,6738	21,4866	22,1514	-9,999	2,14876	1,73689
98	23,898215	23,621548	23,481914	23,403773	23,151642	23,151807	23,8615	23,575	23,3645	23,1943	22,439295	22,385986	22,210153	21,628914	21,1735	21,2585	21,5036	21,9198	-9,999	1,5643	1,34423
101	25,722049	25,100535	24,953469	24,759057	24,348035	23,929784	24,9119	24,7893	24,2273	23,9161	22,542475	22,628972	22,341705	22,193264	21,4578	21,3171	21,3759	21,5378	-9,999	1,87493	1,83831
102	25,541642	24,960058	24,845068	24,638279	24,566985	24,273322	25,17	24,6505	24,432	24,3586	24,348916	24,314645	23,391707	22,923976	24,2405	25,7702	99	99	-9,999	1,48537	2,2582
103	24,725874	24,473798	24,320852	24,213646	23,943791	23,575783	25,6329	25,1516	25,0222	24,8918	23,190695	23,196948	23,043798	22,256733	22,6705	22,7635	23,1761	23,8916	-9,999	1,98157	1,46327
104	24,642304	24,417713	24,369867	24,386338	24,403601	24,55985	24,9289	24,7583	24,7953	24,7944	23,649181	23,504275	24,549241	23,138935	23,6926	23,8735	24,2694	24,8771	-9,999	2,25086	1,71184
105	24,302204	23,909111	23,720102	23,691694	23,642385	23,682059	23,963	23,6642	23,5862	23,5541	23,061194	23,15354	22,807027	22,450749	22,8791	22,8656	22,6572	24,317	2,363	1,05538	1,92842
106	24,716816	24,073513	23,857328	23,840885	23,739057	23,656322	24,5652	24,0994	24,1115	23,8683	22,85757	23,178397	22,165009	22,361032	22,2538	22,1005	21,9809	22,6323	-9,999	2,61047	2,45501
108	24,825455	24,534488	24,357257	24,264955	24,122791	23,92562	99	24,6048	24,464	24,2144	23,040596	22,28272	22,741586	99	22,6824	22,7991	22,5119	24,1282	-9,999	2,96913	0,68485
110	24,844484	24,574336	24,597741	24,595747	24,74268	24,973203	25,1006	24,9104	24,9637	25,1243	24,718721	24,875477	22,928483	22,964072	23,9257	24,0985	24,1391	23,9825	-9,999	2,69158	1,41487
111	25,588339	24,958196	24,841032	24,718648	24,118685	24,127195	24,6202	24,5393	24,0691	23,733	22,590125	22,554765	22,259588	22,14976	21,528	21,4331	21,4365	21,7068	-9,999	1,62306	1,48556
112	25,973661	24,925745	24,719164	24,775645	24,886138	24,885825	25,4803	24,8691	24,8129	24,9028	99	99	22,989319	99	23,9494	23,9148	24,1568	24,5437	2,83	2,81199	2,7058
114	24,89072	24,505701	24,393593	24,230843	23,92036	23,786408	24,7031	24,4315	24,0169	23,8834	22,748434	22,349121	21,913182	22,290543	21,5904	21,5875	21,7445	22,1658	-9,999	2,09157	1,90352
115	24,982342	24,767551	24,799988	24,964695	24,915614	25,000326	24,986	24,9585	25,0779	25,055	23,629163	99	25,41771	22,518295	24,7309	25,2896	24,9715	24,446	-9,999	0,419382	2,4719
116	25,322511	24,516367	24,211453	24,122566	24,124682	23,934165	24,663	24,208	24,1721	24,0328	23,419687	22,644977	22,288294	22,899412	22,2076	22,3508	22,3857	22,5376	-9,999	2,39318	2,19393
117	27,102984	25,582367	25,231777	25,093455	25,09085	24,958725	26,3463	25,5936	25,4078	25,5207	23,210665	22,856798	24,71158	23,459974	24,3574	24,4176	23,8118	24,2097	2,943	3,71518	2,79379
118	25,334584	25,13915	25,400386	25,193498	24,604857	24,547902	25,2833	25,1302	24,5678	24,3701	24,125369	99	99	99	24,468	25,0603	24,9424	26,1516	-9,999	1,07229	1,07498
119	24,696464	24,546482	24,545248	24,504303	24,343042	23,904563	24,6861	24,5409	24,4497	23,9005	23,657943	23,676071	22,666264	99	22,2528	22,4645	22,6114	23,0684	-9,999	1,62766	1,76948
120	25,133104	24,463305	24,170044	23,936128	23,830464	23,758863	24,8695	24,3518	24,1696	23,9594	22,506782	22,502952	22,38604	99	22,4132	22,4171	22,6853	22,9698	-9,999	2,16557	2,2481
121	25,323047	24,720018	24,455864	24,376321	24,333626	24,20258	25,0005	24,5777	24,4785	24,2391	23,34774	23,085075	23,596539	99	22,6507	22,6723	22,5389	23,8661	2,183	2,21519	2,29972
122	24,811849	24,158975	23,847742	23,712309	23,625062	23,614332	24,4844	23,8899	23,807	23,7359	23,554134	24,123534	23,489422	22,316626	22,4634	22,5456	22,4821	22,4762	2,44	2,16929	1,72642
126	24,882986	24,462164	24,27379	24,237286	24,082097	23,901693	24,556	24,3268	24,0528	23,785	22,65274	23,88893	22,606544	22,407077	22,4205	22,4228	22,4171	22,9224	-9,999	2,07787	2,01707
127	25,319308	24,837917	24,678661	24,57593	24,70962	24,785005	25,1312	24,7283	24,7442	24,7784	99	24,433827	22,155571	23,102428	23,6034	23,6415	23,5889	23,3349	-9,999	3,27525	0,64602
128	25,789504	24,970144	24,668127	24,127877	23,951269	25,1216	24,6354	24,2232	23,864	22,972707	22,254803	21,601805	21,33947	21,2948	21,683	21,0655	21,5733	2,032	2,02461	1,93889	
129	24,981582	24,459015	24,204219	24,10496	23,93453	23,834019	24,6647	24,2312	23,9803	23,8301	23,408288	23,694997	22,767599	22,562986	22,4187	22,4317	22,5995	23,3626	1,906	2,23943	1,76759
131	24,911404	24,353013	24,182047	24,185906	24,075187	24,089511	24,3816	24,1192	24,0716	23,8368	23,20154	23,507558	22,977024	22,306215	22,4009	22,2849	22,5037	22,8914	2,133	2,35266	1,99084
132	25,842378	25,336325	25,051566	24,985698	24,817828	24,700532	25,3983	25,0521	24,8996	24,7234	24,764369	24,814041	22,357932	22,610031	22,8176	22,8873	22,542	23,8791	2,033	2,20577	2,35223
133	25,558184	24,680674	24,139947	23,860293	23,718095	23,180915	25,3311	24,5344	23,9205	23,9517	23,246995	24,538525	22,218025	22,659147	23,864	24,1617	25,1004	27,3425	3,239	2,31334	2,40278
134	26,745525	25,803607	25,349891	25,167902	24,950159	24,812567	26,1303	25,254	25,1473	24,7437	23,310096	23,620886	22,4725	22,58							

145	25,054994	24,465222	24,395563	24,303309	24,331126	24,176335	24,633	24,3004	24,236	24,1676	23,532044	23,233421	21,993094	99	23,0939	22,9233	24,3091	25,4011	2,315	2,26341	2,20638
146	26,404057	25,305131	24,955928	24,833182	24,477932	24,25068	25,5255	25,0744	24,6526	24,3834	23,296862	22,843796	23,835927	22,620202	22,2701	22,2386	22,2237	22,649	-9,999	2,364	2,78701
147	25,673023	25,007394	24,747694	24,462161	24,223022	24,096141	25,1469	24,8069	24,6029	24,4835	23,356649	99	22,092073	24,616121	22,7142	22,8655	23,0337	23,2677	-9,999	2,28186	2,17357
148	25,99072	25,063413	24,553455	24,342547	24,166256	24,138564	26,3858	25,6441	25,4104	25,3194	24,486694	24,293447	23,049978	23,272408	23,2634	23,644	23,4607	23,7368	-9,999	3,10952	2,25322
149	25,398649	24,945624	24,918652	24,945631	24,752179	24,742003	25,2796	25,0541	25,0441	25,0427	23,763204	24,111825	23,34132	25,51148	23,1419	23,3161	23,1974	24,2189	2,107	2,20448	1,80373
150	25,333652	25,212937	25,095582	25,058413	24,898354	24,545324	25,3134	25,2684	24,9816	24,7371	23,422197	23,107552	99	23,123032	22,7167	23,1359	22,8218	23,178	1,927	1,90629	2,22386
152	26,129474	25,070629	24,702419	24,478461	24,448528	24,365905	25,4549	24,7075	24,4927	24,4417	24,063778	22,905013	22,755824	26,098908	22,759	22,6533	22,381	22,874	-9,999	2,62922	2,67817
153	24,548679	23,82278	23,449559	23,360798	23,313801	23,256845	24,036	23,4905	23,4043	23,3088	22,725974	22,142153	21,446013	21,604686	21,9744	21,9445	21,9171	22,3192	2,548	2,19248	1,62241
154	25,782734	25,125691	24,938558	24,874207	24,959148	24,774002	25,366	24,9106	24,8708	24,785	99	25,662003	23,308435	24,802264	23,5284	23,8036	22,9994	25,2566	-9,999	2,79719	1,10644
155	24,18412	23,862925	23,693784	23,633452	23,457368	23,313718	23,8917	23,645	23,5032	23,3346	22,658841	22,589841	21,503176	22,132099	21,581	21,6382	21,8774	22,2175	1,875	1,95846	1,5901
156	26,321553	25,0475	24,551404	24,431466	24,531	24,368234	25,0181	24,5209	24,3927	24,284	31,24242	24,180282	23,292813	99	23,9169	23,9266	24,3481	24,2114	-9,999	2,5384	4,33303
157	24,780896	24,734509	24,610035	24,64197	23,955304	23,966441	24,7546	24,572	24,0705	23,7809	23,281836	23,619873	22,489748	23,05799	23,2263	23,4931	23,4912	22,8022	1,012	0,990492	1,23348
158	25,460724	24,817222	24,717074	24,736919	24,753372	24,501287	24,9097	24,6732	24,4358	24,3389	24,353988	23,479309	23,106684	23,664995	23,266	23,1591	22,7066	22,7781	-9,999	2,42853	2,80392
159	25,328647	25,080605	25,184133	24,930373	24,61528	24,481945	25,3928	25,2032	24,819	24,4671	23,774078	99	-99	23,139289	22,5708	22,4411	22,4177	22,7005	-9,999	2,10292	1,85888
160	24,974479	24,576634	24,567641	24,298385	23,984172	23,772765	25,0222	24,6645	24,3004	23,7643	22,582488	22,076487	22,505955	22,262706	21,267	21,154	21,1539	21,4275	1,689	1,82328	1,6743
162	25,381049	24,820734	24,489134	24,487415	24,444951	24,341762	25,0135	24,5403	24,4081	24,385	23,920221	23,109231	23,949739	24,173853	23,1676	23,0878	23,1647	22,827	-9,999	2,43771	2,19389
163	25,665248	24,841549	24,558146	24,508714	24,371151	24,195409	25,1517	24,6188	24,5218	24,3483	23,06738	22,802336	23,580742	22,552781	22,8682	22,8374	23,4104	23,9682	2,299	2,33992	2,42887
164	24,865699	24,764038	24,807635	24,690213	24,181442	23,951275	24,8589	24,7354	24,248	23,952	24,263771	23,450386	22,820104	23,097549	23,2114	23,5817	23,5345	24,163	-9,999	1,21282	1,62709
165	25,347018	24,591623	24,269545	24,235955	24,180372	24,115587	24,8319	24,3694	24,1591	24,2183	23,428949	23,435996	24,070375	23,731519	24,3767	25,9847	23,3287	24,8256	-9,999	1,34476	2,24406
166	24,937226	24,463336	24,00421	23,886853	23,65346	23,651556	24,7848	24,0046	23,7894	23,7564	23,118225	23,065454	23,25657	23,461782	23,2704	24,0411	24,8612	23,8507	-9,999	0,5136	1,10911
168	24,59825	24,363396	24,046716	24,092715	24,093754	24,031191	24,6758	24,2144	24,2346	24,3022	23,609494	23,018205	23,853614	23,369241	23,683	23,705	23,8116	23,2491	-9,999	0,933973	1,93285
169	24,519301	23,669699	23,338079	23,271275	23,173449	23,039092	24,208	23,7188	23,5248	23,3603	22,446337	22,161042	21,627535	21,654035	21,4842	21,463	21,3716	21,6698	2,218	2,15815	2,00861
170	24,633647	23,890648	23,653268	23,560549	23,45799	23,342367	24,4191	24,1253	24,1052	24,036	22,864165	24,065238	21,857377	21,800813	21,7327	21,6733	21,7954	22,0163	-9,999	2,56379	3,15437
171	23,970329	23,768111	23,685622	23,639822	23,501568	23,442875	23,784	23,5527	23,4411	23,3568	22,575001	22,73182	22,251075	99	22,2523	22,2159	21,9914	24,2705	1,787	1,85828	1,76408
172	24,946938	24,741144	24,53295	24,532934	24,355051	24,378082	24,7622	24,5332	24,375	24,2608	23,725009	24,051584	21,453594	23,709107	23,2607	23,3023	24,0757	24,1414	-9,999	1,92964	1,79426
173	25,018464	24,560986	24,299821	24,268138	24,000864	23,887601	24,6284	24,2747	24,0072	23,7493	23,038246	23,704554	22,538584	22,80712	22,1673	22,0696	22,321	22,3716	-9,999	2,12536	1,63734
174	23,948111	23,45893	23,021395	22,972137	22,688887	22,814073	23,753	23,1138	22,8473	22,852	22,416461	22,468794	22,353183	22,092488	23,5333	23,9446	-99	23,6622	0,19	0,285167	0,527945
175	25,542409	24,971551	24,522788	24,4602	24,260846	24,316039	25,0507	24,4267	24,1417	24,0238	23,48614	23,568267	22,073063	23,250169	22,9662	23,1251	22,8091	24,1171	-9,999	1,79969	1,47524
176	24,754389	23,828288	23,451983	23,33349	23,143008	22,934835	24,9601	24,5121	24,2522	23,9734	22,088637	21,811879	21,001526	21,242072	21,1795	21,1155	20,9989	21,3881	-9,999	1,39365	2,62007
177	25,356291	24,873064	24,800902	24,695642	24,546716	24,561935	26,0792	25,7776	25,8744	25,9568	23,402038	22,629209	99	23,048779	23,4143	23,1856	99	24,8368	-9,999	2,12766	2,27528
178	23,898321	23,988489	23,881315	23,916633	23,873126	23,890791	24,5335	24,5102	24,4893	24,564	24,173373	26,284559	22,557972	24,068672	23,1575	23,2366	23,6317	24,4039	-9,999	2,38748	2,19738
179	25,518256	25,302921	25,400619	25,204165	25,142101	24,876715	26,7394	26,5751	26,539	25,5116	24,082663	23,696462	22,80984	24,270156	23,9048	23,2747	24,3696	22,752	-9,999	2,41362	1,80014
180	25,918545	25,240825	25,257796	25,222075	24,941135	25,118967	25,3456	25,2382	25,2109	25,065	24,274758	24,673715	21,800041	99	24,4969	24,5793	99	24,1392	-9,999	2,71164	1,83108
181	24,750701	24,460242	24,460945	24,524167	24,433718	24,544744	24,8183	24,7938	24,7342	24,6784	23,838629	24,002513	99	25,271876	23,4951	23,525	24,6244	24,1389	-9,999	2,44499	1,97398
182	25,448561	24,700016	24,352574	24,10892	23,943229	23,810435	25,6508	24,9871	24,6439	24,4399	23,111535	22,624824	22,073623	21,5216	21,5889	21,3678	21,818	2,295	2,13114	2,32251	
183	24,267272	24,297526	24,265638	24,319828	24,240594	24,005309	24,3776	24,364	24,4458	24,2333	23,068718	23,558844	23,510848	99	23,6763	23,7998	23,9235	99	-9,999	0,893004	1,87909
184	24,88777	24,641107	24,504154	24,475605	24,310498	24,144526	25,0108	24,7546	24,7119	24,6546	23,571105	99	22,669368	99	23,099	22,945	22,9976	23,2152	-9,999	2,71164	3,18943
185	24,112753	23,627155	23,431228	23,390466	23,307023	23,223286	23,9911	23,6344	23,5388	23,3875	22,494808	22,567926	21,937557	22,041032	21,8775	21,8807	21,813	22,7149	-9,999	2,3382	2,01438
186	25,935168	25,015054	24,505199	24,346623	24,153157	24,036017	25,2157	24,4794	24,1867	24,1491	23,66034	23,977077	22,488891	25,859598	24,8411	25,7077	24,3727	99	-9,999	1,47702	1,95672
189	24,137649	23,811319	23,630469	23,578928	23,453623	26,17	25,6835	25,6738	25,5415	22,459753	22,326503	22,047798	22,095563	22,3166	22,404	22,2486	23,9351	2,005	1,31311	1,96088	
190	25,976514	25,360728	24,905731	24,792864	24,427861	24,144826	25,7127	25,214	24,7951	24,2783	22,888394	23,047676	22,824311	22,257525	21,2356	21,0648	20,9214	21,3077	-9,999	1,92542	1,64368
191	23,583491	23,067736	22,631491	22,551173	22,396023	22,391956	22,999	22,4288	22,2594	22,204	22,281492	22,216494	22,126331	22,365514	22,8408	23,4601	-99	23,9183	-9,999	0,143739	0,218781
192	25,420973	24,660897	24,053906	23,86648	23,590749	23,449414	25,3372	24,6299	24,4632	24,5086	24,169276	23,764433	22,26615	99	22,671	22,7245	22,8051	25,9919	2,99	2,74562	2,8424
194	24,729083	24,764661	24,326988	24,038963	23,356776	23,121931	24,4479	23,9128	23,1256	22,6837	22,092808	22,057237	22,404504	21,529487	21,805	22,1672	22,463	22,7989	-9,999	1,02519	1,02543
195	25,293028	24,84367	24,742665	24,676362	24,498089	24,463158	25,4891	25,218	25,0029	24,9078	23,99419	23,194771	22,994376	23,892854							

206	25,803699	25,055457	24,864276	24,813409	25,033151	24,850335	25,6072	24,8831	24,836	24,9133	24,03387	24,298991	22,747617	99	24,2424	24,72	25,8712	99	-9,999	2,14467	2,10872
209	25,824532	25,327782	24,842535	24,732889	25,00106	24,49062	25,3696	24,7149	24,7331	24,4497	24,473702	23,824756	22,999225	22,813767	22,6898	22,3148	22,1822	22,5895	2,504	2,38461	2,18096
210	25,022746	24,559704	24,111348	23,912874	23,758193	23,811109	99	24,0375	23,8344	23,7589	23,276832	23,127115	23,503584	99	24,3903	24,7842	-99	99	-9,999	0,755833	1,35659
211	25,193868	25,133149	25,061247	24,962601	24,57629	24,363979	25,097	24,9766	24,5123	24,0466	23,180866	23,545456	23,35412	23,342003	23,1457	23,5278	23,9826	25,5253	-9,999	1,30521	1,83663
212	25,109546	24,507509	24,133594	24,100642	23,956321	23,729423	24,9009	24,526	24,3642	24,2082	23,102122	22,897781	22,605918	21,809944	21,5922	21,5725	21,4332	22,0244	-9,999	2,46484	2,58242
214	25,734964	24,928173	24,479372	24,29109	24,414432	24,381508	26,134	25,0466	24,7605	24,7	99	99	22,837484	23,22586	22,8223	22,8653	22,7427	22,7493	-9,999	2,04218	0,00123355
215	24,768279	24,077817	23,663926	23,626226	23,563659	23,459379	24,1946	23,6352	23,3815	23,393	23,033865	22,838607	22,375495	22,990176	24,4417	24,9331	99	99	-9,999	0,128945	1,5084
217	26,392078	25,225129	24,664642	24,464152	24,353485	24,088975	25,3636	24,5965	24,4063	24,0881	23,186388	22,266916	22,086251	22,052783	21,6132	21,5777	21,3952	21,3233	-9,999	2,21339	2,20044
219	25,253129	24,925282	24,745544	24,351175	24,390137	24,306262	25,5293	25,088	24,743	24,5809	23,909351	23,233938	22,589123	22,662581	22,6138	22,4731	22,4642	22,8431	-9,999	2,2745	2,36192
220	24,702854	24,484424	24,406439	24,248	24,129	23,792084	24,439	24,5705	24,2151	23,8874	22,877828	22,92931	23,339972	23,642724	22,4746	22,5833	22,6456	23,1597	-9,999	1,71122	2,12079
221	28,600291	99	27,130969	26,190323	26,473146	25,77836	26,9959	26,3771	25,8222	25,7953	23,990645	23,217538	-99	99	22,1695	22,1541	22,1487	21,7712	-9,999	3,4139	0,453043
223	24,831898	24,439174	24,274042	24,129762	23,995561	23,808339	24,5153	24,3429	24,004	23,7739	22,323461	22,836358	22,388949	22,582397	22,1531	22,1585	22,4781	23,1124	-9,999	2,023	2,05598
224	24,911703	24,721885	24,824371	24,62893	24,465359	24,439121	24,6869	24,544	24,3012	24,1279	24,15152	24,226037	22,917772	23,356985	22,8228	22,7307	-99	23,4529	2,371	1,96703	1,92329
225	24,572731	24,527539	24,498463	24,302275	23,991666	23,873647	24,7804	24,8287	24,5876	24,5795	23,549293	23,174153	22,465072	22,966617	21,8502	21,9166	21,9032	22,1536	-9,999	2,14496	1,99581
226	24,09926	24,02283	24,016229	23,798387	23,657607	23,188518	24,8751	24,7238	24,6165	24,2165	22,369578	22,385662	23,391342	21,96268	21,8627	21,8424	-99	22,0549	1,379	1,41632	1,40707
227	24,86358	24,896574	25,050128	25,042067	24,945759	24,832989	24,9121	24,8969	24,9565	24,7191	25,103613	99	25,063043	24,837462	24,239	24,9411	26,5735	24,9251	-9,999	0,493585	2,08572
228	24,958015	25,024893	25,223748	25,028485	24,996418	25,268374	25,5386	25,6207	25,7122	25,8555	24,456136	99	25,44543	26,491283	23,2313	23,9883	23,1968	23,4456	-9,999	2,80715	3,44006
229	25,017455	24,730074	24,668331	24,519572	24,299658	24,14609	24,5841	24,4312	24,1085	23,9549	23,088496	23,437698	22,731673	22,581041	22,0521	22,1476	22,0302	22,8582	-9,999	1,8049	1,68951
230	23,961993	23,832559	23,812837	23,729766	23,649581	23,297282	26,1159	26,0792	25,5666	25,5337	22,504678	22,612462	22,709027	22,219475	22,059	22,1247	22,4428	23,7634	1,524	1,48113	1,57906
231	24,847513	24,621224	24,429423	24,347295	23,998711	23,733216	24,6479	24,3876	24,0604	23,7677	22,893477	22,559175	22,527228	22,580683	21,4741	21,4458	21,3437	21,7356	-9,999	1,89093	1,48476
232	23,876436	23,781829	23,72077	23,632152	23,271248	23,139715	23,791	23,6087	23,2835	22,9586	23,300391	24,146077	22,614804	99	22,3602	22,5424	23,83	24,0946	1,143	1,08392	1,01952
234	24,497826	24,304969	24,286901	24,180413	24,041532	23,809528	24,2968	24,2559	23,9455	23,6632	22,873675	24,088901	24,141135	23,731109	22,6629	22,6414	23,0253	24,9622	-9,999	1,70493	1,91198
236	24,173547	23,952603	23,928599	23,85794	23,680437	23,550529	24,0267	23,7888	23,6069	23,4285	22,742292	22,720341	22,331385	22,547775	21,8722	21,8066	22,1334	22,3905	-9,999	2,07911	1,77112
237	24,609855	24,43667	24,301668	24,306126	24,221833	24,06155	24,9261	24,6646	24,5472	24,0967	23,20694	23,068141	24,620942	22,62565	22,9055	22,9683	-99	23,3747	-9,999	1,8085	2,07039
238	23,961429	23,807798	23,700574	23,642429	23,161632	22,961354	24,154	24,0178	23,438	23,3152	22,461114	22,412477	22,61518	22,848484	21,4037	21,3552	-99	21,4889	-9,999	1,49175	1,20914
240	24,450043	24,32612	24,285819	24,294863	24,255778	24,18948	24,4209	24,2711	24,2761	24,2441	23,381731	23,566451	23,020549	23,036375	23,0154	23,0245	22,5258	23,0761	-9,999	2,10635	1,8999
241	24,624121	24,423734	24,248725	24,160064	24,077924	23,924004	25,92	25,6795	25,4934	25,6336	23,58667	23,187907	23,051695	22,9205	22,8535	22,8507	22,8311	1,901	2,07637	1,96598	
245	25,64935	25,195927	25,076372	24,927872	24,788945	24,45353	25,404	25,0685	24,7465	24,4987	23,156419	23,077655	99	22,796244	22,6141	22,5811	22,7345	23,189	-9,999	2,0228	2,49372
246	24,280861	24,266383	24,233724	24,313523	24,077221	23,813975	24,2658	24,2416	24,0968	23,7496	23,207021	22,963099	22,261811	22,538693	22,9527	23,2942	23,9752	22,9771	-9,999	0,972874	1,87132
247	23,812925	23,832696	23,691115	23,695728	23,648037	23,640173	23,9591	23,7262	23,7105	23,6899	23,692965	22,403287	22,338855	23,773967	23,3127	23,4211	24,1121	23,6515	-9,999	0,563682	1,89085
248	24,909597	24,821131	24,814703	24,808879	24,806775	24,605643	24,8793	24,89	24,9352	24,794	23,04078	22,826461	23,36205	99	24,1431	23,9353	23,9625	23,7413	1,629	1,81458	1,63884
249	25,322936	24,936191	24,81375	24,637554	24,334612	24,461148	25,0596	24,8189	24,6001	24,4353	23,272015	22,604255	22,816042	22,358997	21,5664	21,3289	21,4336	21,6513	2,439	2,31994	2,0565
250	24,082959	24,025598	23,959422	23,971918	24,024785	23,973431	24,4231	24,2836	24,2837	24,3356	23,031047	23,69694	99	99	23,2412	23,3501	23,4782	24,5769	-9,999	1,72649	2,20711
252	23,035066	23,021546	22,946961	22,952018	22,510031	22,481777	23,0944	22,9461	22,5814	22,4114	22,231757	22,217466	21,634636	21,500257	21,8495	22,248	22,5357	22,6897	-9,999	0,777223	0,755661
253	24,815324	24,600455	24,539029	24,372854	24,138319	23,766972	24,6666	24,5565	24,3212	23,8953	23,276829	23,763705	22,575386	22,97492	22,9312	23,0934	23,8041	23,9249	-9,999	1,17011	1,58762
254	24,877331	24,896411	24,887518	24,930304	25,035513	25,082901	25,0489	24,9713	25,134	25,1029	99	99	23,262279	24,074022	23,4243	23,876	23,4852	23,1262	2,045	2,05338	2,09862
255	25,195608	24,837424	24,723988	24,556439	24,40525	24,216161	25,0743	24,8649	24,5882	24,5924	24,251666	23,406354	99	99	22,6341	23,0244	23,1342	25,083	-9,999	2,34252	2,45936
256	25,207402	25,081719	25,018762	24,891869	24,504689	24,293387	25,2608	25,1391	24,686	24,1675	23,574633	23,975905	28,067365	99	23,7436	24,0573	24,1928	24,8034	-9,999	1,76598	1,84122
257	24,336392	24,394827	24,415257	24,387661	24,500909	24,427497	24,4906	24,3469	24,3951	24,4504	24,078586	23,778634	24,412262	22,700511	23,5124	23,5612	24,7956	24,7548	1,862	1,62902	1,88736
259	24,340008	24,159188	23,998097	24,004513	23,897532	23,857412	24,2499	24,0197	23,8425	23,6933	24,23258	25,291035	99	23,006959	22,2939	22,3451	22,7328	22,6943	-9,999	2,34756	1,70513
260	23,988561	23,801145	23,721969	23,619412	23,421305	23,249227	23,7772	23,5859	23,3047	23,112	22,39839	22,361456	22,159741	22,365198	21,4406	21,506	21,5273	21,7064	-9,999	1,6068	1,50234
261	23,333087	23,251029	23,209997	23,184836	23,156956	23,118979	23,6235	23,5194	23,5053	23,4364	22,476892	22,924382	22,232628	22,145946	21,9307	21,9998	22,086	23,1423	-9,999	2,26472	2,18034
262	24,740634	24,633045	24,593184	24,502959	24,485337	24,237026	25,0601	24,8083	24,6734	24,4511	23,435546	24,151518	23,510057	24,963192	23,4711	23,5838	25,6277	25,0246	-9,999	1,92718	2,00187
263	24,674522	24,307133	24,296161	24,154023	23,851242	23,667868	26,3821	25,3942	24,5557	24,279	22,356127	22,12827	22,039626	21,854285	21,1881	21,2063	21,6876	21,7086	1,289	1,53776	1,25553
264	24,36384	24,196375	24,085619	23,956389	23,691074	23,4912	24,2552	23,9615	23,8127	23,4572	22,682859	22,915341	22,386304								

276	26,097069	25,647219	25,546682	25,415649	25,138965	24,698347	25,6784	25,5309	25,2995	24,7524	25,27136	23,885238	23,073943	99	22,8648	23,2436	-99	24,1369	2,3	2,20922	2,37878
277	23,965997	23,630315	23,444034	23,249645	22,961208	22,667753	23,8186	23,4206	23,0728	22,7653	21,650818	21,440563	21,050736	99	21,253	21,2189	-99	21,8486	1,595	1,44079	1,00664
278	25,393038	25,191524	25,217005	25,020075	24,701132	24,42101	25,1773	24,9353	24,6465	24,1425	23,604662	23,365802	22,730702	23,620858	22,3831	22,2685	22,4355	23,2354	1,721	1,60227	1,82098
279	24,034274	23,754479	23,34128	23,118803	23,011843	22,913125	24,2343	23,4841	23,2027	23,022	22,254716	22,407185	22,439172	22,837346	21,8588	21,9151	21,9498	22,2625	-9,999	1,29688	0,734737
281	24,878856	24,526295	24,474209	24,207356	24,000913	23,80905	24,4272	24,0564	23,7188	23,4288	22,282854	22,496903	22,54766	22,430969	21,7142	21,6324	22,0627	22,2995	-9,999	1,55829	1,40698
282	23,957387	23,585055	23,412338	23,146217	22,905676	22,533231	23,7732	23,4196	23,0048	22,6485	21,714253	21,481159	21,038108	21,291518	21,0646	20,975	21,3287	20,7121	-9,999	1,40784	1,09429
283	23,745902	23,627123	23,558562	23,418541	23,276247	22,776825	23,6705	23,5271	23,32	22,7715	22,377604	21,969483	21,993372	22,13121	21,7838	21,8892	22,2784	22,3981	-9,999	1,35926	1,5104
284	23,585033	23,322134	23,019005	22,86953	22,562539	22,466394	23,4573	23,0146	22,7742	22,7189	21,849881	21,640137	21,318859	21,67308	20,9819	21,267	-99	21,782	-9,999	1,23841	0,615752
285	25,103513	24,74352	24,458	24,235941	23,777564	23,508919	24,6275	24,3147	23,8109	23,4019	22,192974	21,962925	21,712828	21,748758	20,8882	20,7477	20,7722	21,2194	-9,999	1,47705	1,13072
289	24,446868	24,245635	24,180451	23,767267	23,395504	23,276848	25,3508	25,0843	24,5271	24,2914	22,826908	23,065684	22,627536	24,547949	21,8812	22,2355	22,419	22,4631	-9,999	1,31747	1,13691
290	24,870561	24,472207	24,245562	24,110224	23,6983	23,507101	24,477	24,1664	23,7368	23,3827	22,300666	22,170366	21,909857	21,508394	21,2869	21,2481	21,3749	21,6808	-9,999	1,61411	1,35545
293	24,973904	24,738033	24,853726	24,804356	24,779912	24,622799	24,8602	24,8113	24,7745	24,7646	23,88102	23,33376	24,144227	23,927126	23,208	23,2304	23,4197	23,2169	-9,999	2,13783	1,99225
294	25,094019	24,798648	24,695489	24,600046	24,499552	24,191386	24,9254	24,7449	24,5825	24,3654	23,304638	27,354388	22,739123	99	23,789	23,7499	24,0899	23,1474	1,991	1,91706	1,90165
295	24,512612	24,363557	24,250464	24,251547	24,006839	23,863514	24,7252	24,5119	24,4733	24,4229	23,468483	22,883303	22,997844	22,896121	22,9474	23,1251	22,7874	99	-9,999	2,02117	2,11265
297	28,150027	25,883025	25,202753	25,010458	24,648148	24,937425	27,4285	25,98	25,7758	25,4079	23,753969	24,300465	24,214402	22,912763	23,378	23,1154	24,3061	23,0296	2,991	3,02169	2,95559
300	99	26,470471	25,561774	25,179285	25,137116	25,093761	26,6572	25,4204	25,0274	25,0349	23,838206	24,435904	22,846367	23,627524	23,2987	23,0924	22,9205	23,0518	-9,999	1,2595	3,01911
302	28,289304	26,26779	25,359101	24,982346	24,854711	24,978818	26,514	25,2619	24,876	24,8574	25,129563	23,563104	99	99	24,197	24,2191	-99	24,6142	-9,999	3,09677	3,53157
303	99	26,117965	25,515596	25,11118	24,912326	25,115114	26,2176	25,2992	24,9879	24,8954	25,657199	23,738421	23,886766	23,586816	24,2739	24,1678	24,4641	25,3977	-9,999	3,11978	3,40644
304	27,735261	26,072879	25,710662	25,247953	25,080575	25,357764	26,338	25,6087	25,2656	25,4101	24,746526	99	99	26,283939	24,6352	24,8736	25,6294	24,7353	-9,999	-0,00877467	1,91457
306	99	25,444466	24,345833	24,369034	24,450152	24,299314	27,1687	26,0004	25,5147	25,5464	24,295339	23,257374	24,518394	23,820817	24,0302	23,8017	-99	25,3865	3,321	3,32701	3,31965
307	29,220846	24,555399	23,869624	23,869908	23,879633	24,030785	24,6442	23,8882	23,846	23,8215	25,851438	99	23,588071	22,655743	22,9796	23,1695	-99	23,0261	-9,999	1,23097	4,76846
311	99	26,0131	24,96723	24,482014	24,251973	24,301386	26,239	24,8215	24,4457	24,412	24,966922	26,4549	23,92558	22,475654	23,0355	22,8721	22,2868	22,0049	-9,999	1,82109	2,55068
313	99	25,837242	25,373151	25,105133	25,21269	25,277345	26,1687	25,131	24,9662	24,9617	26,097061	99	99	22,863543	23,8952	23,9455	23,4633	24,2919	-9,999	2,19659	4,85338
314	29,483666	25,756381	25,168231	25,164067	24,97276	25,221079	25,8743	25,132	25,0517	25,077	24,074254	99	99	23,263091	24,5102	25,248	23,7971	24,4367	-9,999	-0,0275854	2,55221
315	26,349886	25,204779	24,962619	24,711925	24,557508	24,32555	26,4451	25,4412	25,3559	25,3272	23,329589	23,416686	23,55453	22,561556	23,1848	23,3031	-99	22,961	-9,999	2,80909	2,46873
316	26,352721	25,319372	24,787521	24,483862	24,122955	24,090323	25,7746	24,6133	24,2716	24,40928	23,963672	24,422394	24,816773	23,112508	24,7447	25,3098	24,7556	25,1394	-9,999	1,65093	1,57695
323	29,65134	27,21415	26,72254	26,211335	26,224394	26,130619	28,1544	27,2239	27,4549	27,4493	99	24,68768	23,083512	24,070088	99	29,5254	99	27,7885	-9,999	6,82439	4,60095
324	26,690609	25,282448	24,978798	25,011958	24,925657	24,869594	25,6136	24,9955	24,9651	25,092	24,350305	23,542655	-99	23,740155	24,3793	23,9152	-99	23,3557	-9,999	3,21497	2,66511
330	26,74502	26,278794	26,21126	26,144628	26,416035	25,70024	26,7504	26,474	25,8275	25,7154	24,631527	25,587576	23,641983	23,550831	23,756	23,624	23,134	23,106	-9,999	2,40095	3,01718
335	99	25,948338	25,039153	24,805596	24,595787	24,611017	25,8978	24,925	24,6663	24,5505	27,308406	24,126691	23,969533	99	23,9497	23,9195	24,1902	24,747	3,196	3,19222	3,19157
337	27,262423	25,514534	24,779199	24,636386	24,596414	24,557991	25,7449	24,9531	24,7622	24,852	24,313817	23,948498	22,578616	22,887211	24,2226	24,5747	23,437	25,2065	-9,999	2,67366	3,48384
338	28,105134	25,930527	25,08318	24,834745	24,834872	24,951324	26,0093	25,1434	24,8259	24,7512	25,185186	99	23,004718	99	23,8206	23,8219	99	24,0079	-9,999	0,907245	1,83234
340	32,582544	25,519329	24,899622	24,856969	24,993392	25,341332	26,076	25,3023	25,2089	25,3055	24,769921	24,481455	23,566212	23,230528	24,9434	24,7079	24,7453	27,3995	-9,999	5,03734	5,79658
341	28,097306	25,173111	24,494053	24,144784	23,947206	23,947016	25,5526	24,3856	23,9443	23,8699	23,307735	22,732155	22,220684	23,894273	23,1413	23,1213	23,0816	23,8605	-9,999	1,98058	2,82813
344	25,859798	25,100075	24,737793	24,698096	24,602195	24,794012	27,035	26,4321	26,5457	26,4995	25,024428	24,057052	99	23,389616	24,08	24,2229	-99	24,5644	-9,999	2,77917	2,76299
346	27,676924	25,574493	25,174132	25,130969	24,980227	25,044098	26,7096	26,0278	25,8579	25,9459	24,695774	99	23,51771	99	24,3851	24,4999	34,9961	23,9924	2,867	2,86975	2,90263
348	26,733714	25,137361	24,326954	24,117473	23,861705	23,941292	25,5122	24,5713	24,3101	24,1678	23,678503	22,927562	25,334107	24,168109	22,3944	22,6187	22,6279	22,7996	2,974	2,80737	2,83526
349	29,036325	26,637387	25,832203	25,173165	24,752275	24,658521	27,2888	26,076	25,8631	25,6712	22,899048	21,967471	21,490971	21,334665	20,3766	20,2839	-99	20,458	-9,999	1,07611	2,33853
351	26,680353	25,154772	24,546295	24,316675	24,200569	24,198746	25,5076	24,5382	24,3506	24,282	23,467377	23,560195	22,589601	23,428544	21,9947	22,6869	22,6999	25,3697	-9,999	2,25886	2,49256
354	27,45584	25,686166	24,891018	24,630265	24,482902	24,60967	26	24,8909	24,5192	24,5514	24,802669	24,361265	23,443275	23,573305	22,3375	22,2521	22,254	21,9781	-9,999	2,85583	3,13788
355	26,524774	25,110475	24,391628	24,253099	24,070244	24,076446	25,7328	24,5669	24,2575	24,2888	23,451626	23,504224	24,989255	99	22,8742	22,8802	22,68	23,0545	-9,999	2,97468	2,70238
356	99	26,366149	25,811406	25,528797	25,495162	25,401201	26,6771	25,6154	25,346	25,0931	24,683205	23,350068	99	23,469098	24,2496	24,124	24,6484	24,72	-9,999	2,80546	3,50486
357	28,672824	25,67737	25,125387	25,06649	24,953941	24,841529	25,836	25,0114	24,8795	24,9202	23,578583	24,225933	99	99	23,4379	23,2554	25,4692	23,0786	-9,999	3,37378	3,7029
358	27,773501	25,67873	25,005935	24,813337	24,700365	24,604444	26,7832	26,0632	25,8204	25,9145	23,691003	23,23562	25,140074	99	23,7051	23,6981	24,8231	23,7994	-9,999	3,51346	2,93978
359	26,336549	25,188385	24,746845	24,478568	24,395131	24,16839	25,2545	24,6556	24,3766	24,0796	23,999249	22,468822	24,565192	99	21,6761	21,4477	21,0434	20,893	-9,999	2,39782	2,46188
360																					

1764	99	26,87557	26,965358	26,336933	25,195387	24,511008	27,4249	27,2388	25,6379	24,3793	23,492953	22,268718	21,796541	21,548293	20,903	20,7269	20,7427	20,7642	-9,999	-1,34707	2,86655
1808	27,753636	27,556397	27,356552	26,713772	24,923774	24,018725	29,6769	29,4789	26,0706	24,4483	22,12031	21,635905	21,270841	21,314945	21,4966	22,0035	22,1655	22,3796	5,51	5,48528	5,49058
1811	24,027055	24,042256	23,783066	23,505465	23,196049	22,953856	24,5653	24,0862	23,4607	23,1994	22,196663	22,998694	24,217779	22,611613	22,7714	23,1334	22,7768	23,0006	0,8002	0,957037	0,954443
1882	22,09291	23,89256	23,324075	23,01711	22,223494	21,91352	23,6043	22,9923	22,0384	21,5737	21,133693	20,75549	20,346376	20,408704	19,8667	20,2224	20,3265	20,5972	-9,999	1,00156	0,92423
1896	26,755466	25,919994	25,657383	25,340802	24,541133	24,275345	28,8904	29,4942	27,7952	26,3387	22,086926	21,35883	21,123025	20,681073	19,5331	19,2969	19,3032	19,5676	-9,999	1,8249	2,42979
1954	99	28,651542	29,02705	27,998456	25,672912	24,14012	29,7359	28,6642	26,0032	24,1586	21,945408	21,446636	21,549851	21,487944	21,4258	22,0767	22,1381	23,0901	-9,999	-0,110153	1,83106
2004	99	28,175116	27,811772	26,368735	24,92365	24,267373	99	27,1629	24,9793	24,138	23,791391	22,742529	22,956764	23,45741	23,7208	24,0511	23,1526	99	-9,999	3,57921	1,83488
2334	26,818636	25,726487	25,591712	25,646157	25,717392	25,395361	23,1454	22,2547	21,6164	21,2998	20,942215	20,496818	-99	-99	20,5845	20,7072	20,9296	20,3577	-9,999	0,148121	0,823351
2422	26,966553	26,851371	26,392322	26,299739	25,679971	24,831638	24,5499	24,2147	23,4549	23,1856	23,159908	99	-99	-99	22,4921	22,9634	22,6944	24,374	-9,999	6,24539	1,01554
2451	26,241824	25,597759	25,494687	25,335825	25,431043	24,688194	25,6734	24,658	23,9267	23,6375	23,431789	23,106228	22,931835	-99	23,2878	23,7805	23,9949	99	-9,999	-0,311278	1,88796
2506	26,697061	26,016985	25,702906	25,56735	25,196841	24,646191	99	24,4459	23,8895	23,9618	23,350125	23,569044	-99	-99	24,0058	24,3205	24,2337	26,8257	-9,999	1,92885	1,16094
14335	25,429323	24,477886	24,081911	23,778116	23,700012	23,499173	24,4764	24,1287	23,5089	23,3813	23,138015	22,935801	-99	22,962505	23,2199	23,6741	23,0945	24,0942	-9,999	1,11265	1,72804
14385	24,228423	24,124633	23,586474	23,192649	22,387173	21,967458	24,0317	23,3177	22,8269	22,6553	22,294178	22,377228	-99	-99	22,4875	22,9513	99	25,548	0,5583	0,52758	0,0558462
14510	26,538086	26,057236	26,246195	25,595143	24,90614	24,325327	24,6039	23,6799	23,4095	23,1123	23,26733	25,320259	-99	-99	22,9661	23,4426	22,5625	22,5155	-9,999	-0,582708	0,959583
14644	28,667336	27,239013	26,676064	25,969	26,36954	25,478975	25,0814	22,7119	20,7111	19,886	18,900603	18,761884	-99	18,993826	19,5956	20,0533	20,4573	21,042	-9,999	0,493798	2,24856
14771	26,965959	26,508989	26,052448	25,656262	24,514602	24,080766	24,3593	23,7898	23,0191	22,8998	22,80653	23,494498	-99	-99	23,4048	23,5534	23,7796	23,0736	-9,999	-0,353337	1,20111
14997	26,053253	25,326849	25,04095	24,876774	25,049068	25,028695	24,3959	23,6328	22,8303	22,4794	22,792646	22,214977	-99	-99	21,5343	21,8132	21,9978	22,7122	0,85093	0,886196	0,994955
15323	27,701535	26,025033	25,199968	24,803552	24,629979	24,507758	24,4418	23,4989	22,4033	21,854	21,184145	20,770271	21,158748	20,364548	20,0086	20,3387	20,4643	20,6425	-9,999	0,484341	1,08455
15444	25,778756	25,365929	25,214255	24,928463	24,866651	24,842167	23,6233	21,5548	20,4112	19,9648	19,322028	19,177595	21,739004	19,562754	20,2839	20,7264	20,9535	21,6539	1,90E-04	0,0146766	0,0288514
17219	25,152386	25,129749	25,154244	24,710904	24,506334	24,422889	23,9768	23,207	22,9546	22,8871	23,002235	22,075914	-99	-99	23,2678	23,623	25,5098	99	-9,999	-1,0204	0,763092
17316	27,268481	27,470567	26,116069	24,696058	23,665206	23,107337	24,6067	24,2324	23,5679	23,1562	22,570233	22,896885	-99	22,4109	22,3078	22,6035	23,2784	23,0762	-9,999	0,324373	0,561179
17392	27,995016	26,521592	26,033041	25,734012	25,567204	25,514937	24,2245	24,02	23,4201	23,1565	23,14708	23,247836	-99	23,108326	21,9204	22,4067	22,1381	23,0678	-9,999	1,28952	0,728233
18081	24,732034	24,175725	23,645609	22,960546	22,261035	21,960346	24,5818	23,9775	23,7285	23,8294	23,991707	24,920547	-99	99	24,285	24,9735	29,3359	99	0,1689	0,150653	0,207274
18093	24,727075	24,486875	23,982556	23,268874	22,983174	22,781927	25,2951	24,4585	23,9945	23,8063	23,237422	23,601175	-99	23,266282	23,7758	23,8928	24,391	24,7703	0,47151	0,636776	0,743958
18300	25,953803	25,885962	26,211335	25,777844	25,543585	24,924526	25,33	24,4393	23,2137	22,6418	22,061466	21,40705	-99	20,803392	20,1949	20,5282	20,5311	20,9792	0,8465	0,861466	0,850831
18306	24,397185	24,250177	23,921913	23,419582	22,593132	22,210328	24,3524	24,19	24,0369	23,7939	22,914174	22,944541	-99	22,654499	22,6658	22,6849	23,001	23,5515	-9,999	-0,570624	0,226343
18374	99	27,014776	26,125862	25,476591	24,150687	23,485511	25,2134	24,4401	24,1908	24,0715	25,13406	99	-99	23,630061	24,3895	25,0615	25,1994	25,1331	0,31766	0,401914	0,320946
18441	25,404748	25,432286	25,267712	25,038439	24,236339	24,064392	24,9333	24,4154	23,6131	23,3477	22,701215	22,661701	-99	22,63778	22,9518	23,3335	23,9736	23,9545	-9,999	-0,0158448	0,465848
18514	23,811073	23,828004	23,612949	23,341883	22,659195	22,417985	26,4863	24,2872	22,9224	22,0509	21,058559	20,645775	-99	20,449187	19,9785	20,3119	20,6857	21,1997	-9,999	1,5351	1,7473
18515	24,241651	24,268675	24,338044	24,204748	24,179022	23,96626	26,4973	24,6891	23,1051	22,2115	21,294667	20,645962	-99	20,244755	19,5303	19,842	20,1668	20,4343	-9,999	1,43489	1,45566
18855	25,856004	25,738933	25,547942	25,550555	25,734748	25,851584	23,9207	22,91	22,2186	21,9676	21,24022	-99	-99	21,1977	21,3707	21,6138	21,6043	0,53056	0,511948	0,436417	
18891	26,043488	25,729163	25,476576	24,68275	24,692928	24,310939	26,2239	24,6617	23,19	22,6118	21,687967	21,460929	-99	21,235862	20,9998	21,5657	21,5952	22,1225	-9,999	1,46605	1,01618
18899	27,140881	26,662448	26,144092	26,100286	25,558953	25,773676	25,2355	24,3711	23,6059	23,326	23,989341	22,99464	-99	22,489283	21,6733	21,9362	22,6335	22,1213	-9,999	1,01588	0,360461
19070	25,548185	25,415684	24,871949	24,588474	24,486817	24,460362	24,3341	22,1729	21,5855	21,3035	21,262906	20,997959	-99	-99	21,257	21,5268	22,0007	21,1856	0,29846	0,291837	0,266986
19278	26,235283	26,087254	26,066709	25,826256	25,798678	25,252325	24,4785	23,3984	22,2924	21,7201	20,984222	20,5998	-99	-99	19,9551	20,2933	20,4766	20,7632	-9,999	0,932614	1,85761
19496	28,951421	27,404043	26,299862	25,942082	26,019556	25,370186	26,732	24,7446	23,3034	22,7121	21,993995	21,578142	-99	21,458238	21,1891	21,6621	22,0478	22,7791	-9,999	1,5077	0,511724
19583	30,336322	26,933886	26,591644	25,700232	25,593364	25,135339	25,4095	24,3759	23,501	23,1247	22,086841	21,767572	-99	21,643708	20,8363	21,236	21,2931	21,816	0,8541	0,826269	0,957222
19625	27,432497	26,758499	26,546671	26,170639	25,926493	26,105333	24,9949	24,5333	23,7915	23,6384	23,586173	23,458794	-99	23,190668	23,0606	23,3579	99	99	0,74633	0,737054	0,726453
19858	25,033366	24,776671	24,323957	23,683178	23,288917	22,959316	24,5107	24,2605	23,4781	23,1046	22,598124	22,37197	-99	23,337099	22,1726	22,7106	21,9972	22,9128	0,95478	0,636899	0,850225
20187	27,800802	27,889304	26,70838	26,082488	25,603785	26,006068	24,1097	23,1839	22,6294	22,436	22,922038	22,334559	-99	-99	22,4342	22,7443	22,7427	23,0981	-9,999	1,47765	0,387932
20209	27,362496	25,250239	24,641932	24,181846	24,097828	23,939462	23,746	23,2463	22,4867	22,127	21,830822	21,338708	-99	-99	21,0692	21,4317	21,465	21,8152	0,9437	0,993754	0,95161
20249	24,680049	24,63545	24,375115	23,861184	23,219402	23,03432	24,5124	24,2528	23,4002	23,2142	22,841577	22,67152	-99	22,430721	22,6309	23,0951	23,2423	25,422	-9,999	0,899886	0,735184
20284	27,861559	26,550473	25,509611	25,43183	25,150303	24,819898	24,4446	24,1657	23,4299	23,2414	23,229711	24,080129	-99	22,459306	22,6351	23,1195	23,3504	23,6987	0,90408	0,875895	0,765503
20413	23,817152	23,793982	23,473453	22,855942	22,54336	22,438773	24,3691	24,2416	24,0208	23,6204	22,689073	23,050463	-99	23,073072	22,5925	22,6344	22,7305	22,858	-9,999	-0,77016	0,253503
24791	26,504821	26,21465	25,982686	25,943004	25,836696	25,906793	24,8048	24,5356	23,8744	23,588	23,111859	23,283474	-99	-99	22,3367	22,8782	99	99	-9,999	0,954567	1,7984

26513	99	28,175628	25,658349	24,476595	24,030391	23,793938	99	26,1278	25,5729	25,5983	23,475873	23,124409	23,665328	24,469798	23,6	24,1419	24,5456	24,2663	4,421	4,41783	4,41912	
26533	25,448619	24,135242	23,123918	22,134476	21,598201	21,350594	24,4468	22,6049	21,6892	21,3468	20,689867	20,280964	20,188013	20,065761	20,4233	20,7726	20,988	21,3013	-9,999	0,394342	0,40932	
26551	24,005295	23,844142	23,571766	23,211239	22,575636	22,32419	23,9287	23,3304	22,5258	22,2235	21,802114	21,666192	21,328121	21,520392	21,0042	21,3015	21,4122	21,8033	0,8549	0,884024	0,935417	
26553	24,489768	24,152902	23,600228	22,981689	22,744463	22,665928	24,0583	23,1635	22,6943	22,503	22,239526	22,241741	21,718058	21,698386	22,3469	22,6607	23,2217	22,8646	0,475	0,39294	0,436395	
26555	25,134153	24,999219	24,824043	24,245625	23,623597	23,523464	24,8832	24,4125	23,6574	23,4396	23,028556	23,197584	22,387777	22,011241	22,2035	22,6317	22,8728	22,8728	-9,999	0,808403	0,517328	
26566	24,447454	24,345134	23,952055	23,614445	22,820945	22,470799	24,3491	23,7148	22,8149	22,3739	21,669126	21,340222	21,386809	21,078529	21,0104	21,3917	21,5962	21,9385	-9,999	0,933279	0,942136	
26575	23,046217	22,647557	21,910587	21,44314	21,185847	20,902541	22,603	21,5808	21,0615	20,7435	20,301531	19,910453	19,748813	19,661428	19,8572	19,8664	20,0499	19,1077	-9,999	0,461274	0,392443	
26582	24,409409	24,352148	24,276721	24,03088	23,474212	23,278228	24,4011	24,0619	23,4267	23,108	22,846628	23,021364	22,723801	22,989291	22,7298	23,093	28,7193	23,5595	-9,999	0,961084	0,945738	
26586	24,768293	24,110958	23,193276	22,749023	22,282003	22,084682	24,3046	23,0038	22,3824	22,0845	21,384128	21,138801	20,672158	21,072537	21,8751	21,9837	22,7445	21,3166	-9,999	0,468215	0,45888	
26590	22,206858	21,886653	21,159987	20,731807	20,52801	20,293618	21,779	20,8018	20,3685	20,1035	19,72922	19,385565	19,297068	19,174494	19,4428	19,4003	19,7006	18,4741	0,422	0,247677	0,213075	
26605	24,139065	24,082041	23,925173	23,675294	23,254784	23,065442	24,0244	23,6983	23,1495	22,977	22,84682	22,145744	23,44155	24,598748	22,291	22,5501	22,7743	22,249	-9,999	0,878033	0,827712	
26606	22,95376	22,882275	22,66242	22,550129	22,019848	21,81205	22,9173	22,6019	22,0445	21,7945	21,22726	21,364445	21,009837	21,003061	20,9334	21,2066	21,1224	21,1092	0,936	0,893465	1,00176	
26633	21,848885	21,01866	20,395515	20,110922	19,84272	19,668111	20,2488	19,6034	19,1862	18,9922	19,037101	18,812126	18,809123	-99	18,9794	19,3967	19,5305	17,9434	0,1134	0,212533	0,153274	
26635	24,374698	24,324231	24,136146	23,910403	23,396395	23,193887	24,4711	24,2558	23,5732	23,2427	22,744184	22,902419	22,980393	22,102317	22,6553	23,0933	23,7877	24,9543	-9,999	1,03244	1,03929	
26639	24,166678	23,475145	23,017837	22,903157	22,729708	22,69608	23,3274	22,7518	22,4928	22,4115	22,423856	22,233634	21,94697	21,943281	22,8691	23,2047	22,8745	99	0,1363	0,217963	0,268287	
26658	23,285821	23,249621	23,057324	22,681475	22,265054	22,106263	23,2095	22,7848	22,2162	21,9703	21,793083	21,606232	21,360488	21,645942	21,4499	21,7928	21,8994	22,4475	-9,999	0,809787	0,807243	
26661	24,380919	24,059766	23,308541	22,811248	22,589866	22,44487	23,8246	22,9518	22,4313	22,2119	22,06405	21,67314	21,542547	21,588821	22,354	22,6796	23,3722	23,377	-9,999	0,424703	0,418189	
26662	22,790228	22,283023	21,7437	21,577496	21,402243	21,370579	22,3719	21,6165	21,3448	21,2707	20,919143	20,664429	20,752691	20,759955	21,5835	21,8967	22,1499	21,4335	-9,999	0,201457	0,444435	
26669	23,017331	22,955398	22,766773	22,431561	22,013131	21,808694	22,8891	22,4954	21,8836	21,6905	21,274468	21,30257	21,1786	21,320932	21,0138	21,4091	21,4972	21,9601	-9,999	0,799252	0,788357	
26670	24,351908	24,232269	24,048361	23,991317	23,737677	23,410305	24,4509	24,2548	24,0568	23,6031	22,911565	23,33837	23,399602	23,41662	23,041	23,1772	23,7782	23,4565	-9,999	0,808655	1,48936	
26671	23,800867	23,815074	23,644451	23,183437	22,944237	22,92529	23,8511	23,383	22,9499	22,8733	22,583357	22,599433	22,525502	22,548124	22,7914	23,3194	23,2999	26,9371	0,594	0,524058	0,48933	
26684	23,987492	24,075422	24,006581	23,78452	23,335535	23,202195	24,1031	23,8563	23,3755	23,178	22,806147	22,933319	23,894839	22,838152	22,9004	23,17	22,7488	24,9221	-9,999	0,859094	0,804721	
26686	23,355354	23,318214	23,213664	22,941514	22,668609	22,361338	23,3854	23,1254	22,6934	22,4215	21,948479	22,0114	21,762566	21,908934	22,0586	22,4462	22,2696	22,8381	0,8206	0,865318	0,936364	
26714	25,364418	25,108614	24,535719	23,874206	22,57231	22,252059	25,3227	24,2215	22,8286	22,2785	21,712441	21,527457	21,329789	21,392317	21,3159	21,6984	22,0668	22,6944	-9,999	1,17361	1,12439	
26717	25,35495	25,121589	24,97239	24,124674	23,765982	23,669984	25,156	24,3714	23,6333	23,4776	23,281451	22,863282	22,409633	22,665361	22,8118	23,0065	23,0005	24,3286	-9,999	0,374091	0,445753	
26726	21,458328	20,676132	19,683557	19,253324	18,846159	18,632068	99	18,5566	18,0261	17,7746	17,860648	17,589718	17,589092	-99	17,5554	17,7832	18,1866	16,6032	-9,999	1,17869	2,46143	
26728	23,203837	22,945173	22,539161	22,078768	21,565576	21,338497	99	22,1858	21,4413	21,186	20,685584	20,458869	20,240581	-99	19,6602	20,0841	19,9386	19,9758	0,7846	0,781547	0,757774	
26737	26,313651	25,037337	24,551975	24,369689	24,375871	24,285068	25,5365	24,6663	24,379	24,3261	23,800666	25,948743	23,564069	22,077376	23,258	23,3308	-99	23,5445	2,931	2,78439	2,75194	
26738	25,62671	25,294556	25,224778	25,171059	25,276111	24,782942	25,4609	25,3404	25,1762	24,8636	23,842367	23,180586	22,926211	23,133963	23,9945	24,219	24,1436	25,4099	-9,999	2,41359	2,34023	
26745	23,236324	23,027977	22,365867	22,12693	22,049764	21,917663	23,0545	22,2069	21,9946	21,7793	21,653496	21,676469	21,407887	21,502639	21,9055	22,1425	-99	22,0105	-9,999	0,348686	0,309688	
26747	25,374317	24,63057	23,859995	23,141899	22,753803	22,499009	24,7279	23,4634	22,7317	22,4135	21,956599	21,617995	21,132816	21,058455	21,3953	21,5908	21,8648	21,4252	-9,999	0,576892	0,627502	
26753	24,300152	24,060416	23,490214	22,881507	21,896426	21,388293	23,9562	23,0693	21,9666	21,2538	20,405437	20,007347	19,771146	19,597039	19,3066	19,6366	19,852	19,9454	0,9781	1,11398	1,08377	
26772	23,734415	23,448182	22,719484	22,295957	22,009238	21,77598	23,5999	22,5107	21,9779	21,6958	21,333164	21,04147	20,792822	20,828617	21,1176	21,3764	-99	21,5485	-9,999	0,480824	0,476518	
26800	24,526901	24,066064	23,589464	22,925245	22,547269	22,387193	24,2119	23,2935	22,6195	22,3858	21,810394	21,589187	21,651077	21,576546	21,5457	21,7606	-99	22,3276	-9,999	0,530233	0,631631	
26808	23,839029	23,520826	22,778296	22,339341	22,135628	21,873501	23,5694	22,5184	22,0853	21,8124	21,358267	21,309769	20,931657	21,21497	21,4099	21,6171	22,1348	21,5055	-9,999	0,399949	0,375861	
26812	24,527286	24,327934	23,762171	23,341109	22,718467	22,429538	24,4971	23,5682	22,75	22,4504	21,540064	21,471365	20,99945	21,11526	20,8527	21,202	21,069	21,4582	-9,999	0,791576	0,592303	
26827	25,406326	25,030408	24,521724	23,839232	22,844637	22,543405	25,2602	24,2177	23,054	22,5491	21,67511	21,371261	21,044365	21,078218	20,946	21,3882	21,5155	21,9447	-9,999	0,816639	0,994029	
26833	24,170254	24,146279	23,95264	23,714814	23,04144	22,803126	24,0424	23,6544	22,9815	22,5998	22,465608	22,6325	21,879925	21,961819	21,8766	22,2651	-99	23,1155	-9,999	1,05316	0,954443	
26834	99	27,99937	26,905477	25,720481	25,389389	26,262508	99	27,788	26,5484	26,8614	99	99	23,441923	99	23,0608	23,3374	-99	22,8995	-9,999	2,27196	3,57503	
26835	23,710559	23,031051	22,084319	21,3853	20,916696	20,627569	23,0888	21,674	20,9178	20,5301	19,968017	19,511055	19,33574	19,275337	19,7469	19,8886	-99	19,3257	0,411	0,459099	0,407315	
26847	25,380758	24,98008	24,264891	23,888253	23,777763	23,552075	24,9362	24,0962	23,7397	23,5698	23,35841	23,216455	99	99	22,718956	24,0597	24,2595	-99	26,4825	-9,999	0,483028	0,426418
26862	24,752567	24,415068	23,628539	23,086186	22,857877	22,691195	23,9807	23,0027	22,5051	22,274	22,1105	21,71072	22,199076	21,439443	21,6863	21,8514	-99	22,0826	-9,999	0,453991	0,596996	
26873	23,579781	23,482435	22,890644	22,544533	22,491748	22,321234	23,2406	22,5041	22,2387	22,071	21,975834	21,77723	21,503716	21,790378	22,2371	22,6402	-99	23,1061	-9,999	0,378787	0,239606	
26878	25,671957	25,496547	25,410584	25,469542	25,169749	25,108779	26,0271	25,8762	25,8303	25,675	24,024245	23,040689	26,712309	99	23,6415	23,6981	-99	24,2467	-9,999			

26953	24,017698	23,949282	23,728804	23,483627	22,904236	22,649916	23,8851	23,5344	22,8117	22,4555	22,077525	22,038166	22,732408	22,267633	21,398	21,704	-99	22,2386	-9,999	1,00336	1,02987
26954	23,692418	23,389771	22,720787	22,197028	21,981962	21,807318	23,4373	22,388	21,9143	21,6809	21,55244	21,457619	21,069518	21,332023	21,3773	21,5621	-99	21,6065	-9,999	0,404623	0,408902
26965	23,650708	22,924337	21,827493	21,092296	20,617154	20,29152	22,8188	21,2732	20,4903	20,0922	19,456911	19,035357	18,971781	18,77761	19,2219	19,344	-99	18,6415	-9,999	0,375373	0,266691
26971	22,185838	21,740721	20,909059	20,384364	20,074202	19,771802	99	20,2024	19,6629	19,3291	19,105086	18,762614	18,669644	-99	18,7703	18,8111	-99	18,007	-9,999	1,43717	0,605801
26997	23,112726	22,684712	22,123871	21,957103	21,799282	21,782235	22,2597	21,5525	21,3254	21,2677	21,311449	21,228975	21,152423	21,039778	21,6044	21,9035	-99	22,289	0,2303	0,120621	0,202669
26998	24,254996	24,02101	23,237974	23,042305	23,007933	22,941772	24,3209	23,3194	23,1736	23,0105	22,582734	22,627634	22,898186	22,951142	23,6883	24,1299	-99	24,5002	-9,999	0,0860841	0,280435
27007	20,899494	20,042777	19,24499	18,858778	18,459264	18,292813	19,331	18,3076	17,8419	17,6113	17,656849	17,395518	17,58925	17,421965	17,6183	18,0061	18,3011	16,8009	0,137	0,125435	0,0937504
27020	23,932723	23,733385	23,258363	22,615421	22,391699	22,203776	23,6088	22,8057	22,2278	22,0671	21,745819	21,510402	21,781276	21,776633	21,9052	22,2781	-99	22,8698	0,5408	0,555722	0,487192
27024	24,278142	24,313526	24,126633	23,79531	23,427492	23,278079	24,5088	24,0425	23,4058	23,2365	23,28035	22,54891	21,908004	22,706217	22,7582	23,1883	22,8972	24,684	-9,999	0,861234	0,714524
27029	24,078103	23,790833	23,056897	22,626792	22,436614	22,17164	99	22,8938	22,4177	22,1757	21,797079	21,320329	21,419043	-99	22,2824	22,2039	-99	22,8722	-9,999	1,07421	0,534112
27034	25,367782	24,750262	24,203237	23,532565	22,885781	22,637693	24,9693	23,9205	23,0385	22,6635	21,861543	21,355632	21,29188	21,130576	20,8869	21,3191	-99	21,6278	-9,999	0,673516	0,710913
27057	25,780268	25,060397	24,430247	23,691846	22,933538	22,631174	24,9749	23,9711	22,9063	22,5386	21,715963	21,190331	21,246529	20,633195	20,7887	21,2395	21,2526	21,7502	-9,999	0,704332	0,795751
27066	23,727901	23,577313	22,929399	22,629126	22,60427	22,401777	23,5288	22,7449	22,4856	22,3068	22,126549	21,973179	22,641162	22,62232	22,4544	22,8513	-99	22,89	-9,999	0,346482	0,237484
27070	25,888615	25,140551	24,761074	24,553209	24,366158	24,064938	99	24,9114	24,6913	24,486	23,164086	22,858184	22,042912	99	21,5083	21,1099	-99	20,0951	-9,999	2,6746	0,340009
27174	24,15036	23,849637	23,378261	22,734132	22,469054	22,275509	23,8746	22,9502	22,3689	22,1651	21,910914	21,834609	21,328191	-99	21,3321	21,8021	21,5037	21,9164	-9,999	0,475299	0,546281
27195	23,789555	23,757478	23,562946	23,105743	22,686005	22,459349	23,8441	23,4404	22,7814	22,5595	22,087265	21,827266	21,56279	-99	21,8186	22,3181	-99	23,1417	-9,999	0,740197	0,707986
27215	25,56642	25,048628	24,58919	24,086819	23,242771	22,910804	25,342	24,4218	23,3729	22,9606	21,995513	21,700035	21,437104	-99	21,4553	21,8987	-99	22,403	0,82064	0,824005	1,08217
27252	23,525105	23,014436	22,222249	21,644239	21,298149	20,981113	99	21,9126	21,3207	20,9661	20,40278	20,071494	19,87737	-99	21,0384	21,0694	-99	20,4688	-9,999	0,33293	0,66508
27259	24,02672	23,696773	23,202672	23,025658	22,895517	22,915344	23,6145	23,0011	22,7496	22,6747	22,513472	22,531414	22,296668	22,70294	23,3612	23,6748	-99	24,6684	-9,999	0,232054	0,28113
27275	26,182472	24,394408	23,10408	22,063567	21,315615	21,006813	99	22,5617	21,4316	21,0323	20,286443	19,920153	19,831339	-99	19,9034	20,2043	-99	20,5983	0,5609	0,563829	0,569449
27298	23,429192	23,151978	22,46839	22,029398	21,869131	21,632117	99	21,9855	21,5564	21,3355	21,099704	20,85367	20,71427	-99	20,8055	21,0068	-99	20,6371	0,4232	0,427826	0,438463
27301	23,748127	23,497917	22,877522	22,469123	22,325369	22,094433	23,5357	22,6487	22,2472	22,0084	21,764532	21,601486	21,555412	21,2744	21,8161	21,8465	-99	21,3582	0,4191	0,463469	0,418445
27360	26,780234	26,250155	24,678378	23,520055	22,249039	21,649611	26,126	23,9968	22,4677	21,6767	20,793449	20,409628	20,179649	20,059385	19,9873	20,3107	-99	20,9222	0,9543	0,734453	0,879892
27361	24,241531	23,405708	22,363143	21,596141	21,080819	20,71564	23,4008	21,8521	21,0122	20,56	19,933665	19,367575	19,238703	19,094124	19,2471	19,2576	-99	18,5194	-9,999	0,662839	0,436521
27362	24,67897	24,282288	23,584287	23,033774	22,811089	22,556809	24,3305	23,2786	22,7521	22,4931	22,263152	22,013667	21,647215	21,644331	22,1284	22,4901	-99	21,7256	-9,999	0,475951	0,432201
27410	23,089266	22,988767	22,815375	22,677118	22,25957	21,988803	22,9604	22,6851	22,2738	21,8838	21,560054	21,358644	21,22702	-99	21,2706	21,4577	-99	21,7944	-9,999	0,95083	1,03071
27439	24,872152	24,707733	24,097117	23,605983	23,420033	23,261568	24,5894	23,6513	23,246	23,01	23,004329	22,477223	22,237737	22,687422	22,7181	22,981	-99	23,753	-9,999	0,360999	0,415667
27523	26,6203	25,889685	24,793242	23,755551	22,591585	21,968628	25,9948	24,3121	22,84	22,0176	21,095178	20,751318	20,415474	20,554253	20,0873	20,5571	-99	21,5166	-9,999	0,989325	1,10032
27600	24,159173	24,103775	24,022787	23,614042	23,231115	22,968775	24,55	24,1978	23,4005	23,1649	22,429872	23,280763	22,186884	-99	22,6176	23,0399	-99	24,0301	-9,999	1,11295	1,07354
27616	25,350486	24,690414	23,688164	22,821943	21,706059	21,315307	24,7475	23,1753	21,7882	21,2618	20,421732	19,928207	19,748667	19,640058	19,3803	19,7645	-99	19,7751	-9,999	0,870107	0,78678
27632	23,555031	23,204267	22,803161	22,18795	21,706952	21,505847	23,0829	22,281	21,5364	21,3088	20,814545	20,442793	20,25949	-99	20,2077	20,5854	-99	20,833	-9,999	0,629565	0,666736
27652	23,36192	23,350799	23,272019	22,820956	22,495305	22,456793	23,3366	22,962	22,4636	22,3407	22,247663	22,158517	21,953888	-99	22,2914	22,7568	-99	24,3689	-9,999	0,651958	0,654321
27658	24,638936	24,60878	24,311571	24,037825	23,309131	22,981524	24,7543	24,1896	23,3983	23,0105	22,491378	22,497148	21,811943	21,769738	21,6012	21,8622	-99	22,1121	1,00465	0,999948	0,895825
27721	22,988468	22,704797	22,270884	21,604327	21,292704	21,12293	22,3933	21,5917	20,9778	20,7545	20,65802	20,389829	20,065662	20,161418	20,1827	20,5569	-99	20,6012	-9,999	0,547476	0,499962
27722	24,980725	24,435265	23,544977	22,897633	22,479413	22,144199	24,3604	23,175	22,4306	22,0156	21,217607	20,693544	20,197487	20,360742	20,234	20,2406	-99	20,3716	-9,999	0,856599	0,548601
27752	23,017157	22,533039	21,837867	20,903412	20,306685	19,990418	22,0416	20,8359	19,9164	19,5422	19,260127	18,773129	18,693923	18,604713	18,565	18,9694	-99	19,5376	0,5603	0,622235	0,552057
27776	23,322145	22,838542	22,361522	22,153027	21,981493	21,984356	22,9928	22,2434	22,0026	21,9179	21,699861	21,817996	21,221016	21,556074	22,3542	22,5465	-99	22,7013	-9,999	0,430602	0,546293
27836	22,850013	22,089826	21,608691	21,427455	21,219914	21,124886	22,1594	21,4404	21,1261	20,997	20,72258	20,529984	20,519579	-99	21,3292	21,8739	-99	21,6533	-9,999	0,0943933	0,454685
27853	24,878144	24,637493	24,405764	23,930833	23,574516	23,506208	24,7642	24,1253	23,6903	23,6651	22,842481	23,014186	-99	24,12014	22,9166	23,6686	-99	99	0,5622	0,481441	0,66438
27889	25,523032	25,246328	24,582305	24,201981	24,08136	23,924318	25,3786	24,485	24,0103	23,9424	23,844862	23,32087	-99	99	24,2144	24,7426	-99	25,1682	-9,999	0,931818	0,579979
27911	25,698131	24,878322	23,794893	22,700314	21,57139	21,163051	25,3264	23,1955	21,6706	21,1239	20,131233	19,596626	19,318015	19,156022	18,7859	19,1433	-99	19,1512	-9,999	0,880097	0,801138
28085	22,148098	21,467314	20,723882	20,335243	19,867004	19,696469	21,612	20,4642	19,8949	19,652	19,002561	18,623103	-99	18,474102	18,6686	18,8226	-99	17,2505	-9,999	0,255413	0,305981
28086	25,146654	24,609376	23,870078	23,535365	22,93565	22,433532	24,7458	23,7685	23,4577	23,2586	23,268327	23,906247	23,475658	99	23,2414	22,7107	-99	23,7996	0,2467	0,138288	0,222964
29287	24,221137	23,983676	23,319707	22,815936	21,928471	21,55408	23,7641	22,9233	21,8675	21,3216	20,601859	20,211885	20,080823	19,860719	19,2372	19,5416	19,6905	19,8333	-9,999	0,888407	0,866222
29451	24,53466	24,366502	24,305482	24,03335	23,51757	23,314528	24,3998	24,1524	23,4866	23,3194	23,203631	23,863742	22,278785	22,940105	22,8101	2					

29553	25,717731	25,000436	23,862748	22,97516	21,901167	21,557504	25,0225	23,3191	21,9664	21,4235	20,640881	20,150375	20,09544	19,918449	19,7874	20,3006	20,3111	20,7455	-9,999	0,699838	0,75236
29554	24,52615	24,181554	23,755367	23,15544	22,53137	22,351905	24,1875	23,3724	22,5004	22,1563	21,665957	21,16992	21,34931	21,003428	20,8755	21,2253	21,216	21,4797	-9,999	0,767313	0,886909
29557	24,322131	24,193294	24,011263	23,710079	23,298334	22,945859	24,6102	24,2332	23,8217	23,4676	22,599595	23,087719	22,246736	22,200181	22,3503	22,6951	22,5082	22,9328	-9,999	0,527003	0,960646
29565	25,488179	23,708028	22,515487	21,511488	20,937744	20,702691	23,9612	21,9743	21,0402	20,6587	19,945331	19,540419	19,499548	19,418517	20,0298	20,3053	20,7301	21,453	-9,999	0,381888	0,368393
29572	29,180272	25,456547	24,277198	23,203858	22,592361	22,345424	25,7308	23,7105	22,7222	22,4364	21,829368	21,477071	21,150141	21,14509	21,1322	21,414	21,9217	21,9402	0,518	0,578377	0,427554
29576	25,096531	24,210948	23,444959	23,057	22,886933	22,811371	25,4917	24,5195	24,2413	24,0628	22,300029	21,676533	21,622688	21,358449	21,3504	21,1704	21,0071	20,8971	-9,999	1,14937	2,11186
29578	25,477378	25,353226	24,880155	24,31486	23,53402	23,348397	25,2891	24,6076	23,6267	23,3133	22,616079	22,405703	22,019611	22,353824	22,4814	22,8798	23,7378	25,1467	-9,999	0,499911	0,542084
29582	23,179737	22,676982	21,882562	21,518087	21,280038	21,139573	22,7233	21,5913	21,1616	20,93	20,585882	20,348738	20,293546	20,350613	20,7119	20,9414	21,2566	20,7389	-9,999	0,282706	0,288889
29590	24,399384	24,145899	23,7919	23,196618	23,016725	22,900166	24,1025	23,3735	22,8627	22,7478	22,475964	22,29556	22,429865	22,527607	22,5042	22,7257	23,8748	24,6941	-9,999	0,541982	0,558516
29595	23,965578	23,919581	23,754573	23,505739	22,966354	22,758794	24,0404	23,7085	23,0514	22,7741	22,523545	22,535481	22,25297	22,347609	22,3305	22,7347	22,9628	23,0976	0,8453	0,952072	0,796901
29608	23,30012	22,913288	22,354184	21,464012	20,782742	20,590338	22,8508	21,7055	20,7308	20,3848	19,831894	19,394657	19,441784	19,207721	19,2505	19,7398	19,8098	20,375	-9,999	0,623428	0,660953
29636	25,018217	24,459564	23,978924	23,151366	22,686335	22,470771	24,4801	23,4751	22,6266	22,3348	21,813942	21,426229	21,045542	20,897446	20,9326	21,2972	21,2198	21,6935	-9,999	0,623361	0,812222
29637	24,837391	24,548417	24,313401	23,448918	23,133247	22,909824	24,5342	23,6269	22,8797	22,6822	22,306872	22,111075	22,515712	22,354899	21,6961	22,2042	22,2211	22,3432	-9,999	0,693264	0,95938
29640	27,128553	25,88685	24,711094	23,600122	22,392969	22,392969	26,0938	24,1335	22,6923	21,8709	20,848536	20,374557	20,173835	20,045879	19,4954	19,9056	20,3867	20,7874	0,936	0,84931	0,949664
29647	24,530847	24,155418	23,845786	23,215012	22,688885	22,581468	24,1668	23,4627	22,6542	22,4449	22,245466	21,980314	21,597704	21,636374	21,5268	21,9347	22,0774	22,7094	-9,999	0,6682	0,82525
29648	25,834267	25,263496	24,576353	23,820007	23,448753	23,270353	25,3709	24,2287	23,4896	23,3256	23,002069	23,834673	22,515553	22,987667	23,0507	23,3041	23,0414	23,4925	0,5174	0,538771	0,363251
29649	23,135327	22,874628	22,302603	21,787022	21,53814	21,387569	22,8522	21,9534	21,4475	21,2273	20,925966	20,751448	20,638933	20,684942	20,8434	21,0737	21,2604	21,0329	-9,999	0,44734	0,437178
29653	23,058512	22,521764	21,652312	21,259502	20,909384	20,764475	22,5623	21,3589	20,8396	20,5593	20,219508	19,91361	19,84742	19,813966	20,2782	20,4195	21,0177	19,6068	-9,999	0,344783	0,318882
29661	23,783188	23,649359	23,303678	22,837214	22,185354	22,041403	23,4654	22,897	22,0974	21,8157	21,43546	21,224528	21,686466	21,294558	20,7353	21,1206	21,2388	19,7666	-9,999	0,774102	0,815188
29664	24,727733	22,884506	21,535682	20,391235	19,65523	19,41818	22,9511	20,7043	19,6559	19,2108	18,550736	18,054369	18,272641	17,936848	18,3728	18,6539	18,9928	19,5185	-9,999	0,415682	0,472518
29671	24,198966	23,95235	23,487349	22,79863	22,543972	22,443031	24,0526	23,111	22,5152	22,3438	22,017323	21,665434	21,869497	21,784972	21,932	22,2713	22,9223	23,1701	-9,999	0,484971	0,52595
29677	24,002588	24,035634	23,9793	23,795206	23,208639	23,094879	23,9558	23,8163	23,2002	22,9056	22,475126	22,104318	21,774306	22,222429	22,1747	22,4936	25,8954	24,5188	-9,999	1,0272	1,04796
29682	23,191252	23,029125	22,774159	22,297231	21,801221	21,677754	22,9627	22,4069	21,7052	21,4934	21,169773	20,919011	21,033624	20,89097	20,6951	21,152	21,1691	21,5388	-9,999	0,739869	0,793339
29692	23,784353	23,71576	23,419029	23,179981	22,586848	22,398429	23,8054	23,2905	22,6244	22,3403	21,725416	21,548694	21,442978	21,2902	21,406	21,799	21,8703	22,3622	0,8736	0,82218	0,813604
29704	24,723692	24,736886	24,560836	24,231711	23,645378	23,471255	26,3815	25,4773	25,1122	24,7991	26,070463	99	24,13813	99	22,6223	23,0763	23,6688	23,7189	-9,999	2,69878	1,9914
29705	26,396031	25,184839	24,50864	24,331042	24,295084	24,200354	26,612	26,2657	26,3744	26,3163	23,862846	23,625206	22,379684	24,494448	22,7989	22,5721	23,0619	22,4991	2,943	2,84912	2,75748
29709	24,809973	24,745208	24,601193	24,206284	23,82352	23,686856	24,696	24,4462	23,7824	23,603	99	24,904914	25,459774	23,121257	23,0343	23,4521	23,4483	99	-9,999	3,85928	-2,63065
29710	24,480146	24,348745	24,237168	24,082858	23,433462	23,309403	24,3814	24,1592	23,4585	23,1854	22,866747	22,483047	22,375447	22,808765	22,7604	23,1877	23,5571	23,9802	-9,999	1,03892	1,02878
29715	25,573626	24,915029	23,888767	22,90765	21,702373	21,362223	25,1307	23,2996	21,8561	21,2772	20,66513	20,272285	20,197748	20,005065	19,9599	20,4339	20,6674	21,318	-9,999	0,729103	0,860468
29718	25,306195	25,105084	24,487691	23,984023	22,874878	22,620751	25,2257	24,2087	22,9564	22,4945	21,736866	21,579581	21,567605	21,212019	20,9331	21,306	21,5163	21,8592	0,9367	0,944454	0,850294
29719	24,701964	24,606753	24,595372	24,190057	23,702034	23,279467	24,4893	24,1584	23,4636	23,0686	22,673696	22,36815	23,262972	22,337489	22,1287	22,5394	23,1083	23,1645	1,02733	0,858466	1,0714
29723	24,281339	24,298477	24,126745	23,682156	23,186249	22,806675	24,1933	23,7091	23,0689	22,565	22,450633	21,951973	21,686977	21,54437	21,2657	21,4938	21,8653	21,9414	1,1089	1,06452	1,10559
29730	26,09095	25,754912	24,758775	24,197536	23,063272	22,693603	25,74	24,5085	23,2351	22,6038	21,65779	21,173187	20,70082	20,609898	19,9377	20,1637	20,1992	20,4871	-9,999	0,743833	0,882481
29744	24,194894	24,056105	23,840261	23,387024	22,839514	22,687916	23,9766	23,4892	22,738	22,4915	21,945068	21,914261	22,110273	21,800934	21,8232	22,255	22,1803	22,7751	0,7971	0,888358	0,898854
29746	26,524233	26,484386	25,596457	24,906322	24,041322	23,658603	26,4306	25,1655	24,1739	23,5387	22,251841	22,09674	21,806613	21,461687	21,0044	21,2538	21,3956	21,4339	-9,999	0,268074	-0,700059
29754	26,226903	25,755692	24,947449	24,121813	22,950543	22,396002	25,5372	24,2146	22,8646	22,025	21,128341	20,415355	20,209403	19,855028	18,9074	19,0122	19,1866	19,2681	1,013	0,976607	0,763315
29760	24,302024	24,275913	24,04041	23,771186	23,125692	22,910983	24,5691	24,0725	23,3297	22,9837	22,320934	22,079125	22,076876	22,224722	21,4839	21,7798	22,1313	22,0203	-9,999	0,990902	0,898637
29764	24,302546	24,145203	23,8249	23,396753	22,83294	22,216557	23,8408	23,4226	22,7307	21,9958	21,268851	20,787611	20,399116	20,408242	19,8501	20,0443	20,4387	20,5999	1,2233	1,12772	1,24807
29768	26,028014	25,025658	23,998965	22,91552	22,158893	21,802112	24,9414	23,2486	22,1454	21,6062	20,84705	20,168581	19,943347	19,776183	19,6761	20,0134	19,9783	20,094	-9,999	0,650065	0,688564
29769	24,301493	24,235325	24,290127	24,150906	24,069902	23,677955	24,2979	24,1158	24,0997	23,674	23,59976	23,600544	23,814374	23,396074	22,3196	22,349	-99	21,6408	1,34781	1,70517	1,60833
29771	24,274789	24,301839	24,266674	23,91789	23,564107	23,121616	24,2987	23,9402	23,433	22,9383	22,49062	22,289985	22,715192	21,915629	22,0602	22,3393	23,2123	23,0762	-9,999	0,978316	1,24625
29773	26,271529	25,246136	24,641229	24,442465	24,321344	24,279744	28,0104	26,6531	26,4845	26,4749	24,209245	25,040809	23,109328	22,696239	23,0778	22,9843	22,6717	22,7638	-9,999	2,96458	2,67499
29774	23,737816	23,67347	23,413868	23,071547	22,397786	22,201767	23,6272	23,0887	22,3369	22,0028	21,606394	21,588618	21,217541	21,244724	20,9104	21,2817	21,5078	21,6919	-9,999	0,884804	0,912503
29794	23,079616	23,010871	22,42708	22,157654	22,275025	22,00887	22,5241	21,8946	21,7314	21,5194</											

29861	23,720397	23,435968	23,002231	22,37661	22,079038	21,995069	23,4668	22,6472	22,0849	21,8825	21,496089	21,115242	21,230532	21,068459	21,4869	21,781	-99	22,0394	-9,999	0,518215	0,611118
29864	25,182714	25,020084	24,777642	24,327063	23,558921	23,25854	24,9407	24,3798	23,543	23,0086	22,675421	22,386035	22,306713	21,994565	21,6577	22,0238	-99	22,974	-9,999	1,03373	0,743151
29867	25,22044	24,601728	24,084971	23,199982	22,503683	22,241304	24,5146	23,4283	22,4333	22,0314	21,461349	20,833083	20,715959	20,47829	20,3773	20,8126	-99	21,2815	-9,999	0,70887	0,880806
29871	25,286002	24,743815	24,032322	23,448596	23,197107	23,060431	24,9292	23,7815	23,2374	22,9907	22,807345	22,481169	22,674903	22,305126	23,0923	23,2852	23,3806	23,4508	-9,999	0,43695	0,395275
29872	24,183012	23,154393	22,65314	22,545984	22,414137	22,546902	23,9372	22,7886	22,6706	22,6924	22,10888	21,805906	22,133183	21,796211	21,3623	21,017	20,6351	20,1923	-9,999	1,90767	0,806925
29876	25,188529	24,781858	24,05478	23,366463	22,199256	21,771361	24,929	23,5751	22,3133	21,6597	20,845086	20,462594	20,271385	20,158246	19,7815	20,1188	-99	20,7934	0,9346	1,01024	0,930767
29878	24,06794	24,081221	23,845204	23,410125	22,838781	22,782681	24,1298	23,6482	22,8939	22,719	22,54301	22,926388	21,977378	21,909472	22,225	22,7665	22,4684	23,4999	-9,999	0,787331	0,577096
29884	24,503745	24,359516	23,855069	23,422308	22,672868	22,268862	23,8012	23,0203	22,1831	21,5896	20,986957	20,611123	20,759081	20,447958	19,9109	20,2864	-99	20,7168	-9,999	0,968267	0,675165
29889	25,21593	24,514434	23,796797	22,916172	22,473811	22,098887	24,4341	23,1566	22,3135	21,8879	21,24005	20,5842	20,46103	20,284624	20,3783	20,496	-99	20,1649	-9,999	0,784133	0,712859
29896	24,628809	24,130847	23,752778	22,814398	22,399274	22,2118	24,1221	23,0273	22,2374	21,9803	21,583634	21,231258	21,306753	21,055428	20,8119	21,2057	-99	21,3845	-9,999	0,574194	0,77416
29900	24,26835	23,790806	23,233546	22,50635	21,822451	21,556722	23,6597	22,6438	21,6634	21,2959	20,843945	20,375652	20,335267	20,103329	19,7705	20,2338	-99	20,3982	-9,999	0,743636	0,775089
29903	26,384412	25,741618	24,87414	24,012814	23,117735	22,781734	26,1195	24,4144	23,1974	22,7433	22,123266	21,784984	21,624065	21,422969	20,9945	21,3815	-99	21,9896	-9,999	0,78203	0,684623
29905	24,239261	23,961142	23,406489	23,301079	23,2232	23,200964	24,0021	23,1779	23,0929	23,0624	22,970786	22,740273	22,311372	24,422268	23,4546	23,9584	-99	24,1113	0,254	0,123441	0,463982
29906	22,877848	22,512454	21,925425	21,721896	21,603764	21,579915	22,1424	21,2855	21,1064	21,0148	21,251867	21,125901	20,949312	21,034711	21,2355	21,5079	-99	21,4896	-9,999	0,138076	0,143492
29913	23,90722	23,814466	23,448595	23,074192	22,302028	22,019193	23,5345	22,9495	22,0522	21,6317	21,286979	21,05337	20,866562	20,947203	20,3918	20,789	-99	21,3827	-9,999	0,920202	0,908232
29921	24,272236	24,140252	24,222756	23,997014	23,710091	23,269445	24,1829	24,0259	23,7805	23,2083	22,78757	22,399563	22,623234	22,560312	22,6241	22,8138	-99	23,1149	-9,999	0,827442	1,43334
29940	24,233724	24,060261	23,429195	23,168225	23,046472	22,929544	24,0584	23,2221	22,929	22,8255	22,939635	22,474991	21,944137	23,002416	23,2429	23,5113	-99	27,1935	-9,999	0,281065	0,196309
29941	24,611025	23,989788	23,505954	23,353811	23,196445	23,120271	23,9943	23,3122	23,0439	22,9765	22,977628	22,829866	23,522342	23,335137	23,6518	24,2116	-99	24,6415	-9,999	0,0758991	0,611939
29948	24,311147	24,179761	23,939848	23,341406	23,071259	23,039557	24,2692	23,541	23,0169	22,8708	22,474907	22,303862	22,824151	22,219648	22,8335	23,2029	-99	23,1416	-9,999	0,553283	0,598088
29962	25,131288	24,739979	24,193847	23,426691	23,062031	22,877073	24,8478	23,713	23,0266	22,7633	22,39663	22,292597	21,919532	22,012101	22,4329	22,7489	-99	23,7915	-9,999	0,61849	0,622609
29968	24,356364	24,194009	23,925348	23,567053	23,405002	23,299017	24,3252	23,7153	23,2937	23,2787	23,080707	22,763152	22,62839	23,08903	22,8126	23,247	-99	25,1902	-9,999	0,553223	0,676527
29976	24,115102	23,768182	23,204278	22,653229	22,383621	22,276573	23,9339	22,9015	22,4	22,2085	21,834989	21,662041	22,127429	21,585439	22,091	22,3046	-99	22,6618	-9,999	0,444806	0,480319
29991	24,472895	24,186623	23,868087	23,018311	22,12356	21,625672	24,4529	23,5986	22,4882	21,8066	20,782478	20,319885	20,045911	19,951895	19,4555	19,8371	-99	20,1996	-9,999	1,18384	1,0845
29993	22,600898	22,194151	21,432992	20,998138	20,741702	20,433485	22,2782	21,135	20,6694	20,3286	19,967972	19,636128	19,555773	19,51606	19,9565	19,9108	-99	18,8819	-9,999	0,391912	0,329482
29994	25,07242	24,69302	24,07075	23,218797	22,261255	21,701852	24,7083	23,5214	22,2882	21,5765	20,727589	20,242622	20,013871	19,823758	19,3467	19,6099	-99	19,7055	-9,999	0,987765	1,03005
30019	25,079557	24,863569	24,40374	23,902379	23,763742	23,700955	24,9279	24,165	23,7438	23,577	23,394674	23,366346	24,136868	23,907015	23,4678	23,7355	-99	24,3177	-9,999	0,404776	0,406287
30020	23,266338	22,839986	22,262399	22,3203246	22,456487	22,9424	22,4479	22,3134	22,407	22,22544	22,373773	22,170439	22,892878	22,8687	22,9687	-99	22,878	-9,999	0,349186	0,307637	
30022	24,608692	23,883687	23,090671	22,253135	21,732394	21,473579	23,9935	22,6236	21,7776	21,3607	20,818008	20,343562	20,201646	20,161983	20,3502	20,5885	-99	20,5078	-9,999	0,549364	0,57918
30023	25,017479	24,484313	23,984564	23,283846	22,557056	22,300967	24,3207	23,3885	22,4379	22,0623	21,52166	21,021542	20,825332	20,820917	20,3267	20,685	-99	20,8817	0,749	0,755043	0,912257
30025	23,49695	23,151506	22,77611	22,124893	21,66353	21,493558	23,1922	22,3675	21,6338	21,371	20,804346	20,380169	20,159504	20,169299	19,5933	19,7058	-99	19,9124	-9,999	1,17377	0,75494
30035	24,537569	24,102828	23,454307	22,660307	21,849198	21,603125	24,0455	22,838	21,7522	21,2922	20,795776	20,349198	20,092991	20,012118	19,8907	20,3803	-99	20,8154	-9,999	0,68528	0,779006
30039	23,762145	23,643486	23,409483	22,914385	22,47125	22,343501	23,5999	23,0841	22,4158	22,1789	22,013893	21,879273	21,604142	21,398891	21,3107	21,8309	-99	22,1966	0,748	0,710874	0,79228
30040	24,486802	24,376255	24,371774	24,140338	23,554805	23,379182	24,3086	24,0728	23,4254	23,1427	22,872696	23,053743	22,659064	23,376936	22,4893	22,8288	-99	23,2821	-9,999	0,938614	1,02472
30045	24,67436	24,325175	23,757784	23,151301	22,349983	21,939855	24,7171	23,6572	22,6367	22,0826	20,976867	20,594424	20,388626	20,291138	19,489	19,6682	-99	19,6934	-9,999	1,21108	0,759891
30051	25,180676	24,587012	24,157957	23,294774	22,884697	22,657369	24,7948	23,6096	22,8339	22,5346	22,11609	21,34552	21,164575	21,269818	20,7401	20,9755	-99	20,8734	0,569	0,573596	0,820168
30054	22,945133	22,851648	22,700808	22,06265	21,775015	21,781186	22,7789	22,2021	21,6431	21,5554	21,405339	21,200705	20,968573	21,53599	20,7342	21,0686	-99	21,007	-9,999	0,596941	0,593613
30055	23,683708	23,398042	22,942931	22,210994	21,921974	21,787076	23,2015	22,3761	21,6926	21,465	21,371046	21,068884	21,071527	21,207776	20,5928	20,9439	-99	20,902	-9,999	0,594095	0,588028
30056	22,489686	22,129252	21,476539	20,756428	20,391532	20,186924	21,6595	20,6005	19,9845	19,6877	19,565278	19,112761	19,138091	18,9698	19,1306	19,3284	-99	19,3255	-9,999	0,413377	0,427351
30058	23,973231	23,979709	23,370936	22,916221	22,081721	21,741442	23,7101	22,9222	21,9952	21,402	20,730916	20,354897	20,010897	19,772554	19,2583	19,521	-99	19,7417	-9,999	0,709878	0,804718
30082	24,279379	24,33887	24,309664	24,127781	23,683183	23,406484	24,3894	24,2722	23,5475	23,3561	22,960334	23,039524	22,055241	22,829227	22,8369	23,2993	-99	23,5014	-9,999	1,18839	1,18688
30094	23,64199	23,504294	23,236424	22,638488	22,295758	22,232352	23,4319	22,8442	22,1915	22,0273	21,894153	21,65719	21,773568	21,452861	21,6643	22,0569	-99	23,1148	-9,999	0,661329	0,687458
30096	23,797592	23,623038	23,13086	22,812002	22,783246	22,716183	23,7093	22,87	22,7246	22,5112	22,76229	22,875994	22,184582	22,854027	21,826	22,2036	-99	22,1581	-9,999	0,339843	0,199272
30100	23,08438	22,452852	21,939506	21,779036	21,502324	21,472765	22,5594	21,8523	21,5048	21,4039	21,081461	20,884516	20,98802	20,960091	21,681	22,0767	-99	21,1408	-9,999	0,307981	0,631135
30101	24,29676	24,256482	24,123314	23,87004	23,53686	23,335646	24,3841	24,0091	23,4988	23,3522	23,029416	22,87846	22,447073	23,254454	22,6713	23,2909	-99	24,3422	-9,999	0,805639	0,908358
30129	24,691925	24,571217	24,493																		

30161	24,995505	24,534317	24,147987	23,40237	22,840678	22,532626	24,4515	23,5709	22,6612	22,3146	21,990211	21,384663	21,322693	21,204838	20,9672	21,3317	-99	21,4949	-9,999	0,745105	0,961648
30163	24,816446	24,725317	24,607346	24,107719	23,419159	23,129871	24,7444	24,2373	23,3556	23,0116	22,73848	22,92604	22,133083	22,171549	22,0631	22,5346	-99	22,6673	-9,999	0,802637	0,893682
30169	24,300662	24,267913	24,217378	24,049499	23,703773	23,286993	24,2486	24,0409	23,6854	23,1345	22,902255	23,431469	23,230975	22,152318	22,3386	22,4691	-99	22,8962	-9,999	1,02971	1,18704
30172	24,140928	24,058413	23,756716	23,547848	22,917974	22,684859	24,2494	23,7659	23,128	22,6273	21,970517	21,856165	22,001346	21,429603	21,1556	21,4769	-99	21,7708	1,0143	1,06716	0,93933
30178	23,185942	23,074324	22,827851	22,492668	21,974019	21,836563	23,2029	22,6694	21,9782	21,7635	21,366744	21,23367	21,290877	21,140918	21,0058	21,4801	-99	22,0468	-9,999	0,816041	0,968709
30179	26,524415	26,345122	25,88336	25,357778	24,895398	24,665597	25,8853	25,4629	24,7072	24,4564	24,904661	23,811475	-99	24,532821	23,0962	23,5754	-99	99	-9,999	1,65905	1,36822
30181	23,860668	23,78099	23,528515	23,018066	22,42136	22,174745	23,6135	23,0379	22,2091	21,9325	21,542386	21,303891	21,277738	21,285328	20,7966	21,1597	-99	21,631	-9,999	0,804521	0,849028
30183	26,529243	25,751341	24,382397	23,230799	22,371761	22,052573	25,7797	23,6601	22,3404	21,9021	21,280094	21,043821	20,838607	20,576323	20,5174	21,0113	-99	21,6062	-9,999	0,660078	0,750384
30197	24,941107	24,736084	24,541609	24,121222	23,989102	24,016842	24,965	24,3317	23,9362	23,8984	24,343581	23,081464	24,629306	22,705223	24,1054	24,5394	-99	99	0,51171	0,856406	1,01298
30213	26,46886	25,295126	23,828976	22,811404	21,649942	21,294034	25,1304	23,1753	21,6956	21,1506	20,38155	19,942524	19,903335	19,74126	19,5834	20,1441	-99	21,0917	-9,999	0,71712	0,748347
30220	24,035238	23,864249	23,526072	22,851099	22,730645	22,672602	23,7976	23,0734	22,5666	22,4898	22,336672	22,512542	23,239568	22,366942	22,2221	22,5675	-99	99	-9,999	0,441913	0,460176
30223	23,939422	23,97963	23,716104	23,326179	22,738443	22,376749	23,7054	23,1994	22,577	22,0709	21,818785	21,598365	21,096724	20,997633	19,9136	20,1826	-99	20,2009	-9,999	0,62356	0,937706
30280	25,213893	25,052023	24,708464	24,065543	23,505898	23,659316	25,0779	24,3853	23,8582	23,7641	22,944232	22,501487	22,834287	22,51218	22,6103	22,5903	-99	23,0545	-9,999	0,881435	0,410624
30285	22,997717	22,526154	22,031988	21,875151	21,661061	21,672217	22,6733	21,9403	21,6775	21,6102	21,191733	21,117501	21,164233	21,673661	21,9353	22,2349	-99	22,4553	-9,999	0,364226	0,583227
30293	25,231707	24,606304	23,440638	22,411181	21,234189	20,849948	24,484	22,6554	21,1476	20,5556	19,994116	19,54478	19,480004	19,285056	18,7852	19,2352	-99	19,9979	-9,999	0,757112	0,756657
30309	24,225815	24,006674	23,733696	23,116874	22,671101	22,410192	24,0404	23,3297	22,556	22,3046	21,2802	21,165775	21,470161	20,836367	21,1541	21,5339	-99	21,9522	-9,999	0,707443	0,835403
30310	23,595085	23,335314	23,015136	22,274903	21,898819	21,715991	23,1263	22,2669	21,5481	21,318	21,252615	20,961316	20,718566	20,709689	20,9704	21,4185	-99	21,8904	-9,999	0,637871	0,654738
30318	23,5643	23,503861	23,476274	23,24902	22,896521	22,48788	23,6753	23,4146	22,9814	22,4716	22,008093	21,901116	21,786808	21,660874	21,2225	21,4441	-99	22,0568	-9,999	1,2261	1,28245
30324	24,430753	24,397681	24,253578	23,897758	23,48912	22,904929	24,2208	23,8472	23,3906	22,6633	22,206526	21,659215	21,464327	21,379529	20,6608	20,736	-99	21,186	-9,999	1,04355	1,44509
30330	23,570403	23,474855	23,33845	22,863438	22,341771	22,120909	23,3552	22,8653	22,1345	21,8557	21,784306	21,590224	21,243956	21,108586	20,7049	21,0481	-99	21,4624	-9,999	0,865865	0,901126
30338	24,408037	24,037932	23,330422	23,092993	22,881328	22,781	24,1506	23,181	22,8078	22,6569	22,855509	23,026617	21,743649	22,155892	23,2136	23,5918	-99	24,2663	-9,999	0,172457	0,176997
30340	23,815843	23,052526	22,289524	21,434784	20,950433	20,669583	23,0889	21,7219	20,9211	20,5046	19,943941	19,4238	19,330286	19,289989	19,3817	19,6005	-99	19,1891	0,53	0,49897	0,545014
30348	23,471123	23,084324	22,513053	21,834824	21,506804	21,29807	22,9047	21,9769	21,3342	21,055	20,671026	20,111195	20,086532	20,2036	20,4151	-99	20,2699	0,5174	0,511501	0,509211	
30357	23,478892	23,322232	23,043597	22,480243	22,067802	21,856732	23,1196	22,457	21,7562	21,5074	21,392163	21,148823	20,781639	20,893724	20,7382	21,1805	-99	21,8586	-9,999	0,75619	0,697048
30366	23,221344	23,089471	22,76819	22,240027	22,118054	22,064261	23,1666	22,4729	22,0923	21,9787	21,819671	21,65878	21,438716	21,203251	21,7693	22,0638	22,6289	23,1735	-9,999	0,462025	0,539058
30369	25,119501	24,738089	24,132929	23,748234	22,340742	22,981751	24,7243	23,8107	23,1167	22,7513	22,326752	21,9725	21,793939	21,994974	21,0119	21,3845	-99	21,7802	-9,999	0,802649	0,80962
30370	25,394738	25,03798	24,416992	23,817725	22,873237	22,545142	24,512	23,7788	22,7308	22,2073	21,484273	20,980928	20,657204	20,582681	19,9339	20,3321	-99	20,7195	-9,999	0,689887	0,940894
30391	27,106378	26,095015	25,227523	23,840249	22,723062	22,025564	26,0282	24,4289	22,8711	21,9506	21,055117	20,547859	20,399589	20,268338	19,8676	20,2096	-99	20,7065	-9,999	1,18007	1,02799
30403	25,310228	24,703716	24,207631	23,633267	23,272945	23,179544	24,8357	23,8759	23,2989	23,1294	22,816729	22,450148	22,164985	22,190877	22,49	22,7873	-99	22,9479	-9,999	0,477535	0,553176
30408	23,856636	23,514226	22,966855	22,272022	21,910151	21,681719	23,6684	22,6786	21,9597	21,6195	21,092704	20,74756	20,367865	20,52156	20,6898	20,9552	-99	20,8763	0,518	0,602943	0,700045
30410	23,915027	23,892742	23,471462	22,990021	22,272342	21,900187	24,3497	22,7729	21,9325	21,3893	21,182493	20,842614	20,941771	20,419349	20,0428	20,3741	-99	20,7385	-9,999	0,973891	0,748913
30428	26,212802	24,375075	23,152599	22,026275	21,350087	21,073827	24,6629	22,4669	21,3824	20,9731	20,3358	19,878567	19,898867	19,856774	20,0975	20,4898	-99	21,2644	-9,999	0,501499	0,372857
30433	26,195839	25,495884	24,891757	24,149717	22,904282	22,464446	26,0841	24,664	23,1219	22,4938	21,711358	21,356198	21,355499	21,388316	20,2442	19,9048	-99	18,7697	-9,999	1,3508	1,5379
30434	24,11329	23,640606	23,032417	22,361617	21,54378	21,285234	23,6122	22,5592	21,4699	21,0813	20,526758	20,122288	19,902533	19,811798	19,6472	20,1412	-99	20,4229	-9,999	0,699446	0,839508
30442	26,531201	25,418013	24,518555	23,363508	22,220563	21,58468	25,5624	23,8439	22,4023	21,5418	20,742483	20,287638	20,10215	20,086416	19,5901	19,9297	-99	20,7383	1,0148	1,05243	1,01305
30451	25,075825	25,007397	24,84783	24,014043	23,822206	23,594967	24,9557	24,2973	23,6569	23,5365	22,978864	23,671435	24,790845	22,667313	23,0849	23,5696	-99	99	0,61431	0,374142	0,370412
30457	23,686997	23,590872	23,257524	22,730134	22,577113	22,493011	23,4284	22,7979	22,3195	22,096	22,16082	21,85267	24,853486	21,770721	22,2213	22,5774	-99	22,8208	-9,999	0,560231	0,568554
30476	23,622454	23,336755	22,876048	22,235491	22,055706	21,865453	23,2756	22,3021	21,747	21,5379	21,332689	21,026107	21,29113	21,035396	21,4485	21,6384	21,9483	21,6566	-9,999	0,497374	0,482927
30484	24,596848	24,270242	23,444703	22,6002	21,461598	20,98138	24,5453	22,9464	21,5766	20,8066	20,215881	19,678513	19,505959	19,413047	18,8352	19,3406	-99	20,1284	-9,999	1,07527	1,07457
30488	24,229164	24,143411	23,978285	23,789563	23,160818	22,914484	24,2419	23,9765	23,3369	23,0353	22,989391	23,364979	22,98925	99	22,122	22,5317	-99	22,8031	-9,999	0,894035	0,758639
30501	25,470831	25,011383	24,536725	23,720627	23,519368	23,261133	25,0183	23,8185	23,1769	22,9678	22,953184	22,564067	22,340826	22,160024	22,9153	23,0411	-99	24,2772	-9,999	0,512532	0,794891
30507	23,297273	22,846893	22,083891	21,432096	21,159246	20,936424	22,7659	21,5275	20,9436	20,6387	20,422865	20,058874	20,009919	20,016126	20,2728	20,4653	-99	20,4164	-9,999	0,417961	0,361049
30511	23,085399	22,511968	21,840815	21,539404	21,373504	21,226094	21,9859	21,0032	20,6783	20,5438	20,892998	20,613029	20,5927	20,65851	20,5048	20,7524	-99	20,3806	-9,999	0,329172	0,224884
30516	23,358519	23,363134	23,2027	22,893721	22,422437	22,876767	23,8451	23,4094	22,9272	23,1835	22,707103	22,387644	22,315201	22,196404	22,5666	22,9085	-99	23,2048	-9,999	0,122635	0,306737
30536	24,497612	24,427869	24,250008	23,87713	23,																

30614	26,849605	25,81883	24,359854	23,28052	21,989457	21,500054	25,6819	23,7393	22,2118	21,4743	20,559165	20,055512	19,902424	19,776062	19,5034	19,9978	-99	20,7535	-9,999	0,81526	0,844483
30620	24,115765	23,840966	23,240445	23,012517	22,886385	22,832765	23,5809	22,7753	22,546	22,3927	22,544836	22,305277	23,011035	22,819761	22,6455	23,0075	-99	23,608	-9,999	0,305826	0,255016
30649	26,227402	25,738015	24,888769	23,948348	22,862599	22,29528	26,0592	24,4494	23,1699	22,3972	21,483992	21,039066	20,686396	20,828401	20,5598	20,8374	-99	21,7972	-9,999	1,11979	1,27335
30651	23,695883	23,672401	23,590768	23,399475	22,748537	22,55801	23,8034	23,4999	22,8329	22,5861	21,939311	21,763838	21,619763	22,034184	21,8983	22,1806	-99	22,6286	-9,999	0,958707	0,897946
30655	25,841628	25,81687	24,971889	24,010971	22,958733	22,271504	25,4813	24,0119	22,7573	21,8827	21,116912	20,51582	20,418549	20,025511	19,3603	19,633	-99	20,2127	-9,999	1,05932	0,81037
30662	25,113975	24,922392	24,949876	24,245712	23,950391	23,58638	24,7125	24,3033	23,5359	23,2723	23,390911	22,799175	22,633368	26,039786	22,5991	22,9468	-99	22,7683	-9,999	0,533626	0,713782
30667	24,637406	24,543825	24,405894	23,738577	23,519431	23,45118	24,5016	23,9449	23,3364	23,2071	22,810835	22,609247	22,143434	22,249758	23,01	23,3018	-99	23,6802	-9,999	0,565575	0,713769
30683	24,243335	23,880447	23,56992	22,976394	22,435287	22,251033	23,9888	23,2149	22,4086	22,1491	21,651182	21,342527	21,307327	21,150187	20,8883	21,29	-99	21,4808	-9,999	0,70977	0,87495
30703	24,176006	24,095168	23,625356	23,20804	22,52112	22,119131	24,1066	23,3026	22,5642	21,9438	21,494822	20,994471	20,809683	20,713139	20,2291	20,5252	-99	20,8931	-1,0796	1,00944	0,961047
30734	23,789968	23,575597	22,960745	22,571098	22,5729	22,357501	22,9616	22,3616	21,9349	21,6865	22,065553	21,778713	22,706844	21,846084	21,8575	22,0621	-99	22,4354	-9,999	0,48463	0,5286
30735	27,769832	26,091602	25,237298	23,811239	22,663304	21,951067	26,4491	24,4022	22,9254	21,9557	20,96525	20,465119	20,284892	20,205246	19,6033	19,9724	-99	20,6567	-1,0156	0,96501	1,09883
30738	24,077269	23,97095	23,47748	23,046772	22,930975	22,848427	23,8911	23,2264	22,7664	22,7025	22,76295	22,548526	22,130168	21,861387	22,8387	23,1518	-99	23,4228	0,459	0,422545	0,309858
30747	25,176138	24,870854	24,284395	23,449143	22,309809	21,715417	24,9338	23,6766	22,3878	21,591	20,776925	20,228969	20,228381	19,964425	19,4557	19,7989	-99	20,5005	-9,999	1,07064	1,10357
30758	24,429153	24,135247	23,504063	22,698816	21,634959	21,16899	24,0701	22,9335	21,6845	21,0528	20,291986	19,836963	19,674659	19,531336	18,9806	19,3011	-99	19,8618	-9,999	1,02165	0,997079
30775	20,911134	20,093937	19,571261	19,263378	18,991963	18,866429	19,8489	19,0421	18,6232	18,43	18,340928	18,099091	18,231438	18,255461	18,5765	19,0322	-99	17,3304	-9,999	0,120244	0,0914015
30781	23,692374	22,951755	21,950378	21,157057	20,67051	20,380093	22,9496	21,4056	20,6132	20,2282	19,670234	19,192115	19,067073	18,965256	18,9291	19,1036	-99	18,6271	-9,999	0,448912	0,331043
30784	24,092854	23,598523	23,23985	23,072837	23,060816	22,923779	23,4283	22,8499	22,6159	22,62	22,658037	22,087094	22,200373	23,251601	22,5543	22,651	-99	22,2841	-9,999	0,414453	0,413616
30793	26,144348	25,437049	24,581227	23,229486	22,08425	21,296923	24,9456	23,4561	21,9837	21,0082	20,153912	19,67628	19,557299	19,379499	18,5477	18,9145	-99	19,7303	-9,999	0,866037	1,09261
30801	22,652656	22,284867	21,81866	21,093644	20,76383	20,582462	22,0864	21,191	20,5577	20,2943	19,943608	19,557795	19,490111	19,349719	19,6048	19,9504	-99	19,9542	-9,999	0,500046	0,455298
30803	26,861667	26,159629	24,952542	23,91501	22,758883	22,258912	25,2482	24,3188	22,9511	22,1776	21,340608	20,961058	20,697755	20,650119	20,3795	20,8265	-99	21,6299	0,971	1,01558	0,845138
30810	26,386804	24,578267	23,393193	22,313701	21,704888	21,436203	24,8462	22,7824	21,7962	21,4336	20,726342	20,327085	20,190117	20,197351	20,6574	21,0002	-99	21,7927	-9,999	0,405868	0,341993
30812	24,703692	24,375197	23,813899	23,34497	22,525173	22,276259	24,4653	23,5497	22,5427	22,1614	21,373266	20,96576	21,130259	21,025815	20,6417	21,079	-99	21,5565	-9,999	0,821265	0,816003
30816	24,282491	24,221041	24,190051	24,068976	23,83947	23,370009	24,6159	24,3802	24,5424	24,1664	23,6537	22,797637	22,492387	23,197349	22,544311	22,1029	-99	22,4296	-9,999	1,29211	1,47579
30822	23,430316	22,883387	22,100387	21,801789	21,517669	21,391927	22,9971	21,9595	21,5214	21,3122	20,975439	20,714248	20,598066	20,934196	21,4527	21,6183	-99	21,0554	0,2468	0,249061	0,487114
30830	23,748904	23,723698	23,591793	23,474941	22,841366	22,670106	23,4754	23,2922	22,6455	22,3895	22,242777	22,072478	22,390289	22,407194	21,6261	21,9545	-99	22,2744	-9,999	1,00832	0,923699
30837	23,599533	23,213012	22,635787	21,680073	21,047065	20,770881	23,1797	21,9095	20,9252	20,5693	20,098516	19,671194	19,772805	19,519099	19,4708	19,969	-99	20,6232	0,63621	0,612716	0,640698
30842	22,804144	22,613129	22,176992	21,686883	21,533026	21,469995	22,662	21,9065	21,5001	21,383	21,193751	21,045093	20,537614	21,073022	21,0251	21,1985	-99	21,453	-9,999	0,416779	0,504
30844	26,581688	25,551239	24,392494	23,446791	22,340279	21,93704	26,4114	24,3952	22,8442	22,2829	20,999632	20,440149	20,272214	20,131142	19,9449	20,4696	-99	21,0682	-9,999	0,812068	1,38717
30849	23,334558	23,152152	22,643541	22,160429	21,313082	20,929625	22,197	21,5187	20,6264	20,124	20,10334	19,749185	19,491967	19,382932	18,5757	18,9353	-99	19,4047	-9,999	0,999521	0,739548
30850	23,77911	23,737602	23,404994	23,227152	23,17427	23,035089	23,8218	23,3355	23,0086	22,9556	22,758034	22,427207	23,369081	22,123346	22,9759	23,3562	-99	24,9299	-9,999	0,603231	0,761398
30861	24,337508	24,204123	23,911202	23,357105	23,07904	23,005873	24,1192	23,5661	22,9603	22,823	22,59156	23,492547	22,224188	22,148735	22,7278	23,0767	-99	24,0129	-9,999	0,637254	0,606851
30869	24,933257	23,984152	23,81929	21,872895	21,236385	20,881659	24,0077	22,2202	21,1719	20,7116	20,07138	19,554809	19,446996	19,349505	19,5614	19,9405	-99	20,4051	-9,999	0,486784	0,475188
30881	22,52202	22,568767	22,300074	22,096842	21,517456	21,173498	22,7281	22,1291	21,5999	21,1479	20,253429	19,930189	19,653349	19,550947	18,8495	18,9605	-99	18,7577	0,934	1,12512	1,02814
30884	23,897642	23,873933	23,879023	23,55573	23,045436	22,758427	23,6636	23,4604	22,8228	22,5002	22,168077	22,196657	22,345859	22,374413	21,746	22,0313	-99	22,8164	-9,999	1,08806	1,14942
30888	23,395633	23,084821	22,593962	22,165746	21,316827	20,934613	22,9803	22,2053	21,2795	20,7265	20,021868	19,698268	19,464441	19,350603	18,783	19,1254	-99	19,4384	-9,999	1,06522	1,02951
30896	23,050321	22,795852	22,371914	21,668836	21,409159	21,261864	22,5123	21,6999	21,0958	20,9048	20,77114	20,475057	20,302706	20,36267	20,4084	20,7273	-99	20,8038	0,5551	0,526976	0,474515
30908	24,25508	24,17199	23,887165	23,398566	22,488545	22,015113	23,9458	23,4782	22,4795	21,7735	21,109407	20,720134	20,611965	20,537563	19,8477	20,3255	-99	20,7445	-9,999	1,12353	1,24907
30923	24,402349	23,771338	23,106202	22,672882	22,525914	22,278702	23,7858	22,6623	22,2448	22,0547	21,83572	21,596121	21,084587	21,669781	22,117	22,5054	-99	22,7393	0,23848	0,326258	0,403819
30931	24,391754	24,252176	24,020872	23,496191	23,035755	22,801248	24,0505	23,5678	22,9105	22,6794	22,316832	22,002018	22,289301	21,546225	22,1057	22,5354	-99	22,9547	-9,999	0,834278	0,827239
30939	24,228302	24,212535	24,01225	23,20614	24,01225	23,599854	23,292746	24,2013	24,0357	23,4705	23,145	23,191195	23,976074	22,82798	22,78084	22,483	-99	23,0772	-9,999	0,980812	1,0762
30948	24,403643	23,548607	22,619475	21,768248	21,251202	20,914425	23,661	22,0365	21,1955	20,7573	20,096324	19,533223	19,492625	19,40101	19,5956	19,6793	-99	19,2341	-9,999	0,546406	0,464065
30951	24,467716	24,431222	24,311	24,013454	23,534669	23,083271	24,2012	23,9348	23,3333	22,7377	22,346241	22,067287	21,552146	21,556909	21,1381	21,3834	-99	21,0824	-9,999	1,19518	1,37256
30970	24,965996	24,195833	23,213439	22,242557	21,46438	21,170276	24,3608	22,6128	21,4612	21,0655	20,440225	19,990156	19,835891	19,778948	19,8005	20,3035	-99	20,7437	-9,999	0,534891	0,53676
30978	25,161997	24,837552	24,040125	23,618108	23,428847	23,195255	24,8172	23,7667	23,4079	23,1332	22,563129	22,868488	21,865307	22,231588	23,2142	23,2304	-99	23,1532	-9,999	0,29827	0,29601
30981	24,04107	23,925133	23,5503																		

31064	24,682076	24,506826	24,609336	23,804215	23,507792	23,219473	99	24,3283	23,701	23,4642	23,334697	23,590221	22,196166	22,298404	22,2183	22,4701	-99	22,9472	-9,999	1,92015	1,7207
31071	23,502788	23,411643	23,347288	22,680146	22,442818	22,450685	23,4758	22,8927	22,4399	22,392	21,863036	21,770234	21,3316	21,902895	21,9159	22,199	-99	22,955	-9,999	0,461242	0,600064
31075	24,295077	24,193158	24,042726	23,85259	23,380137	22,967579	24,1213	23,8422	23,3546	22,7842	23,15872	23,94252	22,108965	21,768052	21,902	22,2042	-99	22,6443	-9,999	1,13678	1,10147
31082	24,839581	24,712115	24,207213	23,840418	23,05553	22,70655	24,4765	23,8931	22,9982	22,478	21,903219	21,612723	21,081205	21,298042	20,9777	21,4191	-99	21,9085	-9,999	0,994125	0,959986
31087	23,309354	22,999364	22,548549	21,829884	21,591059	21,395025	22,9981	22,0907	21,5005	21,2555	20,860214	20,475797	20,574347	20,445333	20,8827	21,106	-99	21,1331	0,5084	0,506178	0,546021
31093	26,308607	25,758932	24,704585	23,930169	22,86811	22,377359	25,9495	24,3659	22,9222	22,362	21,599117	21,115585	20,923797	20,650815	20,2663	20,6193	-99	21,8825	-9,999	0,942795	0,866757
31096	24,3413	23,737205	23,160183	22,30263	21,954943	21,710364	23,6389	22,4761	21,7539	21,4798	21,043646	20,553002	20,449026	20,178796	20,064	20,3487	-99	19,9369	0,559	0,719714	0,560597
31129	24,371439	24,098845	24,27327	23,294973	22,878604	22,590732	24,2723	23,5779	22,8306	22,576	22,296541	21,778063	21,643883	21,919051	21,9702	22,2227	-99	22,987	-9,999	0,927297	1,04276
31149	24,690398	24,507534	24,035068	23,583663	23,3533	23,12618	24,6275	23,8622	23,3756	23,2534	22,928247	23,488127	22,894893	22,772097	22,8808	23,0795	-99	22,5525	0,4933	0,512598	0,406862
31151	24,901848	24,752521	24,393813	23,728772	23,395704	23,441617	24,504	23,9646	23,4022	23,191	22,809466	22,58245	22,987341	22,846084	23,096	23,6549	-99	25,3677	-9,999	0,383999	0,476568
31154	24,418483	24,083291	23,59959	23,017994	22,734372	22,614033	24,0492	23,2013	22,6264	22,4691	22,081641	21,952657	22,283591	21,340149	21,9843	22,3302	-99	22,4394	0,5178	0,486562	0,542638
31161	25,380817	25,183294	25,176956	24,253949	24,196033	24,035984	25,3719	24,6451	24,3256	24,0897	23,448509	23,208664	23,314381	23,317391	23,9951	24,5908	-99	26,0295	-9,999	0,737365	0,683503
31172	23,672203	23,108546	22,486556	22,22327	22,042076	21,947451	23,1062	22,1751	21,8239	21,6715	21,551589	21,222749	21,498525	21,543896	22,0016	22,3253	-99	22,7123	-9,999	0,262419	0,327569
31173	24,136909	24,012748	23,993179	23,862267	23,733333	23,235598	24,0347	23,9125	23,6949	23,2474	22,381384	22,159797	22,060429	22,888829	21,878	21,9796	-99	22,6276	-9,999	1,61864	1,78331
31180	23,743921	23,452382	23,364604	22,96443	22,618969	22,18025	23,7305	23,4067	23,0404	22,5559	21,265911	20,674048	20,653225	20,555127	19,9899	19,8178	-99	19,8651	-9,999	1,71442	0,932271
31188	22,792706	22,217358	21,631488	21,454926	21,308883	21,248045	22,1829	21,3364	21,0948	20,9683	20,882439	20,832815	20,612818	20,754835	20,629	21,0063	-99	20,7355	0,205	0,271578	0,150154
31207	24,609836	24,608841	24,520205	24,101615	23,685048	23,508586	24,6133	24,2204	23,542	23,3561	23,296236	23,572613	22,517762	23,391056	23,428	24,0967	-99	27,9714	-9,999	0,731354	0,678615
31218	25,396774	24,596127	23,921061	23,556138	23,372326	23,191141	24,7982	23,6873	23,225	23,0425	22,867359	22,723594	22,6166	22,99205	23,464	23,8425	-99	99	-9,999	0,264544	0,612683
31232	24,839218	24,778025	24,728952	24,154998	23,906571	24,037246	24,8983	24,4092	23,8421	23,7525	23,860162	99	22,032479	26,641101	23,6672	24,1041	-99	26,4698	-9,999	0,685242	-0,146164
31241	25,426167	24,899539	24,237899	23,651531	23,350583	23,097083	24,9408	23,8296	23,2411	23,0179	22,446589	22,323077	22,766782	22,696464	21,84	22,4309	-99	22,607	-9,999	0,66394	0,590233
31281	27,856824	26,181053	24,661944	23,486569	22,170846	21,675017	26,6364	23,9728	22,3559	21,6387	20,822733	20,283303	20,049599	20,029242	19,3264	19,719	-99	19,9843	-9,999	0,806619	0,914855
31313	24,772036	24,289491	24,074714	23,562777	23,167721	22,635584	24,3891	23,698	23,0933	22,5292	21,704021	21,140263	20,873524	21,025892	20,4249	20,4305	-99	20,7852	-9,999	1,05351	1,30696
31325	24,541464	24,450949	24,319372	23,675465	23,306913	23,163993	24,5553	23,9407	23,3519	23,1674	22,719263	22,554085	22,669175	22,528591	22,1551	22,3877	-99	23,2905	-9,999	0,690577	0,636289
31336	24,125417	23,867724	23,803938	23,51025	23,195763	22,778677	24,0941	23,7879	23,384	22,9996	21,264454	21,328583	21,88151	21,197405	19,6673	19,3376	-99	18,1346	-9,999	2,12427	1,32747
31346	23,338005	23,303998	23,007896	22,72143	22,11035	21,795996	23,1734	22,7584	22,0487	21,5765	21,07129	20,917296	20,973325	20,515544	20,2166	20,5693	-99	20,9217	-9,999	1,00911	1,04404
31355	23,008125	22,745256	22,159453	21,639743	21,475822	21,295805	22,5713	21,6869	21,236	20,9952	20,842474	20,637782	20,68204	20,466936	21,0213	21,2197	-99	20,9705	0,434	0,326101	0,325811
31383	24,596472	24,309947	23,766804	23,146608	22,972287	22,799696	24,3092	24,3336	23,3119	22,7709	22,31038	21,880411	23,729265	22,092017	22,3885	23,0911	-99	23,0102	-9,999	0,407116	0,551401
31390	20,813205	20,134163	19,72812	19,524437	19,317368	19,260877	19,9836	19,3282	18,9985	18,8792	18,788458	18,581183	18,78908	18,717939	18,9386	19,3492	-99	17,943	0,114	0,14358	0,0717264
31391	23,990908	23,740619	23,154743	22,615262	21,877351	21,511099	99	22,7084	21,7444	21,2521	20,747258	20,473778	20,035978	20,136248	19,3741	19,6979	-99	19,9784	-9,999	0,739795	0,840176
31404	27,359186	26,081632	25,010536	23,690794	22,854964	22,374801	25,7957	23,883	22,6216	22,0925	21,305702	20,600682	20,624437	20,447987	20,1374	20,5803	-99	20,7617	-9,999	0,850946	0,809531
31412	24,313237	24,35882	24,078911	23,821348	23,306235	22,850514	24,2696	23,8704	23,3555	22,6864	22,325446	21,69558	21,712833	21,678344	21,3805	21,8086	-99	22,1294	-9,999	1,10497	1,19169
31416	23,46732	23,412368	23,026388	22,677993	21,939806	21,647339	23,0381	22,4983	21,6609	21,2868	20,881722	20,610285	20,807613	20,506373	20,1567	20,5959	-99	21,2361	0,906	0,814549	0,814445
31418	23,353206	22,997596	22,488915	21,852558	21,596387	21,386804	23,1188	22,2039	21,6196	21,3501	20,745181	20,435678	20,164508	20,286117	20,6069	20,7758	-99	20,6493	-9,999	0,532299	0,646478
31424	24,248517	24,03989	23,614123	23,174496	22,488165	22,21182	25,0089	24,3393	23,5526	23,1483	21,381605	21,208549	21,190271	20,820129	20,4335	20,8391	-99	21,2357	-9,999	0,18121	0,734725
31439	23,770283	23,767607	23,694744	23,559399	23,165184	22,842079	23,7538	23,6057	23,0268	22,7736	22,549783	22,576067	22,073282	22,41416	22,3027	22,9454	-99	23,9302	-9,999	0,994186	1,10146
31448	23,597608	23,119151	22,55735	22,277148	22,11303	22,069696	99	22,1847	21,8733	21,7451	21,677354	21,566202	21,366094	21,599177	22,0385	22,5239	-99	22,2285	-9,999	0,701804	0,388836
31455	24,038559	23,818076	23,526099	23,093762	22,426237	22,246462	23,9775	23,2723	22,4529	22,1601	21,539412	21,419122	20,943025	21,361491	21,1819	21,6855	-99	22,1371	-9,999	0,800023	0,898362
31463	25,963111	25,156233	24,726841	23,862044	22,847392	22,098814	25,3244	24,2431	23,0751	22,0796	21,055171	20,480769	20,527563	20,109983	19,4597	19,5498	-99	20,0731	-9,999	1,35548	1,43189
31465	24,780851	24,673341	24,094201	23,523828	22,867108	22,361495	24,6329	23,803	23,01	22,2608	21,508837	20,920315	20,880705	20,287521	19,3114	19,4202	-99	19,6034	-9,999	1,25777	0,953598
31478	23,470271	22,891872	22,636284	21,546614	20,734987	20,775523	22,9116	21,8161	20,9584	20,5967	20,002546	19,511568	19,481507	19,32261	19,1789	19,5324	-99	19,5191	-9,999	0,640565	0,705159
31479	21,82276	21,404724	20,706338	20,411931	20,15116	20,016079	21,0169	20,1219	19,7646	19,5405	19,456641	19,131257	19,126624	19,034729	19,2572	19,3127	-99	18,4154	-9,999	0,207961	0,0997753
31486	24,130499	23,800667	23,439299	22,794113	22,454948	22,362696	23,8976	23,0545	22,4339	22,2471	21,74693	21,469272	21,326052	21,30942	21,6466	22,0601	-99	22,2994	0,5957	0,530611	0,660445
31492	25,759128	25,782885	24,973038	23,985168	23,154105	22,545748	26,1683	24,403	23,0874	22,1679	21,101016	20,718045	20,968921	20,453833	20,1664	20,5204	-99	21,0382	-9,999	1,395	0,660085
31535	24,358891	24,04534	23,392258	22,989188	22,856432	22,658845	24,0747	23,1805	22,7449	22,5226	22,138504	21,935641	22,084684	21,706485	22,4068	22,6333	-99	22,9486	-9,999	0,46154	0,401149
31584	25,524778	25,03533	24,065904	23,232967																	

31673	22,65336	22,425688	22,089381	21,634067	21,062815	20,877884	22,3032	21,6833	20,8932	20,6247	20,150087	19,95552	19,860585	19,91125	19,6117	20,0637	-99	20,2793	0,7984	0,739803	0,779045
31712	26,49572	25,331005	24,974937	24,757056	24,587739	24,174443	99	25,2126	24,576	24,1521	22,979011	22,385071	22,046863	21,718183	20,9794	20,6601	-99	20,9664	-9,999	1,84034	0,39423
31746	24,391805	24,408734	24,378684	24,299559	23,917391	23,601228	24,3409	24,1745	23,8491	23,4827	23,898673	22,844414	23,785671	-99	22,8597	23,1414	-99	23,2857	-9,999	0,71517	1,07048
31790	23,732646	23,211594	22,656627	21,814844	21,268576	20,978486	22,6917	22,1146	21,1879	20,8372	20,254735	19,812603	19,709507	-99	19,6185	20,0917	-99	20,4227	-9,999	0,571098	0,715341
31838	24,573071	24,324454	23,926254	23,499661	22,680641	22,298389	24,4706	23,6294	22,7493	22,2197	21,394671	21,007539	20,762052	-99	20,4215	20,7671	-99	21,3112	-9,999	0,984682	0,958936
31839	24,496604	24,554735	24,099589	23,566391	23,401208	24,5011	24,2377	23,4824	23,3673	23,021153	22,791258	22,107771	-99	23,0008	23,5274	-99	99	-9,999	0,90667	0,756152	
31860	23,84358	23,795	23,633896	23,471921	22,895681	22,773556	23,8966	23,5854	23,0289	22,7536	22,02183	22,281516	22,070406	-99	21,631	22,0009	-99	23,03	-9,999	0,960871	0,790738
31866	24,299608	24,253938	24,190774	24,135272	23,591624	23,404567	24,0874	24,0443	23,5908	23,2254	22,945684	22,555143	25,517226	-99	21,8975	23,1786	-99	23,5044	1,02541	1,01282	1,13293
31895	25,627059	24,973759	24,358485	23,632619	22,90432	22,150954	23,7834	23,8487	22,9764	22,0649	21,02587	20,432608	20,198321	-99	19,3419	19,4268	-99	19,8304	-9,999	1,32933	1,21677
31925	24,642666	24,430768	24,262211	23,920955	23,493891	22,886514	24,3564	24,0066	23,5427	22,717	22,081971	21,908519	21,680279	-99	21,0474	21,2826	-99	21,7994	-9,999	1,2333	1,56131
31942	23,394611	23,203632	22,964536	22,500763	22,003789	21,423582	23,1105	22,5992	21,9966	21,2815	20,481753	20,029479	19,836524	-99	19,0944	19,186	-99	19,3703	1,2643	1,0863	1,23463
31954	25,777443	25,031589	24,546715	23,444948	22,373348	21,549806	99	23,892	22,5852	21,514	20,463649	20,056869	-99	-99	19,2846	19,5063	-99	20,0758	-9,999	0,74902	1,70897
31999	24,361434	24,257256	24,144876	23,629831	23,212278	23,013882	24,243	23,7469	23,183	22,9319	22,854631	22,482239	22,887052	-99	22,4515	22,8861	-99	24,0284	0,74809	0,787163	0,76004
32034	22,040299	21,367391	20,982833	20,910034	20,767069	20,721194	21,4093	20,8513	20,6753	20,5793	20,383743	20,217959	20,373943	-99	20,8041	21,1027	-99	21,3916	-9,999	0,135343	0,33756
32054	24,12274	23,791769	23,091072	22,637058	22,420474	22,193482	23,899	22,8433	22,3713	22,1313	21,97391	21,637728	22,240545	-99	21,9803	22,2083	-99	22,4212	-9,999	0,45819	0,414709
32113	23,912175	23,732036	23,42491	23,170636	22,604893	22,348215	23,9652	23,4263	22,7416	22,36	21,749546	21,530681	21,84323	-99	21,4859	21,8243	-99	22,2017	0,9522	0,897451	0,930846
32168	22,321416	21,815844	21,578973	21,407437	21,402377	21,311236	21,7295	21,3292	21,1791	21,0842	21,008991	20,832402	21,367249	-99	22,2582	22,747	-99	24,9487	0,035	0,138693	0,259198
32169	24,5387	24,330703	23,762799	23,084965	22,277454	22,038282	24,8493	23,845	22,6847	22,2192	21,474355	21,259618	21,169031	-99	20,9242	21,3168	-99	22,146	-9,999	0,709562	0,715585
32275	23,158375	22,600284	21,82315	21,072989	20,542646	20,291271	99	21,4344	20,637	20,3116	19,591569	19,101649	19,046116	-99	19,0295	18,9542	-99	17,8835	-9,999	2,09404	0,670565
32295	26,640955	25,814679	26,019731	26,104257	25,849196	25,96577	23,5809	23,8168	23,257	22,9231	22,581751	22,231331	-99	22,512319	22,5087	22,8067	-99	23,4683	-9,999	0,465902	1,47758
32353	24,677638	24,489071	24,122592	23,669748	23,52795	23,417554	24,6989	23,9769	23,3734	23,3008	23,452092	23,200779	24,876123	-99	22,7417	23,0974	-99	23,984	-9,999	0,680094	0,605852
32370	26,707972	26,089457	25,982065	25,660073	25,587313	25,205184	99	23,1986	22,7997	22,5431	21,711382	21,365786	-99	21,19548	20,8845	20,8102	-99	21,0506	-9,999	2,00728	1,16996
32396	24,46539	24,373692	24,20953	23,980057	23,342806	23,116396	24,422	24,0363	23,3558	23,0695	22,38759	22,493938	22,211912	-99	22,0526	22,5895	-99	22,2336	-9,999	0,913609	0,954815
32443	25,523677	25,049135	24,692656	23,858046	23,426336	23,252877	25,5929	24,1588	23,2205	22,9144	22,912046	22,391012	-99	-99	22,6342	23,2718	-99	24,185	0,63455999	0,71062	0,751173
32477	26,343136	26,470759	26,464245	25,907796	24,989828	25,221885	99	22,7718	21,3955	20,8778	20,185015	20,096341	-99	-99	21,1629	21,5892	-99	24,1473	-9,999	1,29078	2,4444
32500	26,027856	25,943607	25,915718	25,772981	25,510744	25,904413	23,472	23,2135	22,679	22,4193	22,109113	21,936629	-99	22,122441	21,931	22,2264	22,324	22,049	-9,999	0,833902	0,414427
32507	24,75363	24,5559	24,108672	23,656524	23,326342	23,217244	99	23,7352	23,2791	22,9197	22,803377	22,925272	23,571779	-99	22,8774	23,1546	-99	22,2436	-9,999	0,445146	1,72605
32583	26,017112	25,323792	25,109738	24,990572	25,000007	25,17162	24,7488	24,2574	23,4054	23,0165	22,738501	22,35637	-99	21,872674	21,5128	21,9368	21,9621	22,6766	-9,999	1,39232	1,76776
32593	24,449577	24,211774	23,792361	23,158369	22,809898	22,656674	24,4238	23,5114	22,8783	22,6428	21,966545	21,474111	21,815932	21,633806	22,4112	22,6828	23,2821	23,3992	0,529	0,636801	0,566639
32633	21,899843	21,851824	21,81753	21,589026	21,351406	20,992932	22,2614	21,5929	21,1205	20,6271	20,221465	19,824824	19,591642	19,417017	18,799	19,0656	19,2369	19,2109	-9,999	1,24649	0,997824
32635	23,918828	23,776594	23,458388	22,726403	22,564947	22,430891	23,6184	22,8529	22,2852	22,2065	22,09815	21,816814	21,760465	21,512247	21,8191	22,1668	22,3646	22,5401	0,5636	0,512663	0,543998
32658	25,380467	25,106665	24,647688	24,053068	23,139203	22,857329	24,903	24,1279	23,0224	22,5499	22,104256	21,693982	21,111791	21,24318	20,422	20,7476	21,0038	21,1839	-9,999	0,723862	0,866137
32662	26,387802	26,070178	25,92444	25,966686	26,055629	26,164108	24,0942	23,6456	23,2763	23,1737	22,968949	22,631964	-99	-99	21,7626	22,0252	21,612	21,8966	-9,999	0,864067	1,44009
32683	25,36548	24,844424	24,324074	23,89977	23,592022	23,56151	25,4323	24,5834	23,9193	23,7853	22,986732	22,390463	22,146917	22,640853	22,1325	22,3768	22,0047	22,2701	-9,999	1,68367	1,39457
32688	25,882579	25,706706	25,216377	24,00527	22,822535	22,19489	25,5896	24,2845	22,8112	21,9462	20,717759	20,05121	20,081314	19,528564	18,5676	18,8694	19,1791	19,4081	-9,999	0,92184	0,931177
32700	26,834178	26,503628	26,38491	26,224471	25,642442	25,406227	24,4232	24,0984	23,3958	23,0694	22,20777	21,687165	99	-99	21,5782	22,0162	21,9159	22,5662	-9,999	1,02753	0,309494
32705	23,62728	23,566251	23,127256	22,765274	22,046952	21,808839	23,9796	23,2543	22,3907	21,9151	20,910871	20,728516	20,591674	20,374198	19,7777	20,0712	20,2375	19,9581	-9,999	1,27963	0,923289
32710	24,907055	24,748827	24,469867	24,054283	23,615651	23,276251	25,133	24,1711	23,5494	23,3759	22,898678	22,98734	22,32382	99	22,6945	22,849	23,5706	22,1292	-9,999	0,60165	0,549152
32712	26,68886	25,92719	25,381597	24,958988	24,628548	24,572674	25,0051	23,9952	23,2488	22,9469	22,189339	22,032134	21,813369	21,699946	21,4654	21,7624	21,8196	21,7797	-9,999	1,06875	0,644809
32714	24,976677	23,38869	22,142712	20,992628	20,01327	23,2077	21,9901	20,0066	19,5764	19,206346	17,18249	18,699926	18,557996	18,397	18,7679	19,0678	19,5457	-9,999	0,471291	0,617927	
32720	23,091687	22,608703	21,959518	21,489471	21,261507	21,059122	99	22,6085	21,4891	21,073	20,359576	20,014525	-99	-99	20,0298	20,4515	20,7389	21,5805	-9,999	1,95132	1,07068
32860	23,771246	23,637086	23,556403	23,255009	22,914538	22,443461	23,4809	23,2465	22,774	22,168	21,815619	21,616142	21,592002	21,308102	20,7855	20,9257	21,1142	21,4612	-9,999	1,28885	1,36295
32890	24,559362	24,018873	23,336778	22,400676	21,809867	21,608044	99	22,6378	21,7748	21,4119	20,905437	20,652372	-99	-99	20,8991	21,2637	21,7583	22,9624	-9,999	-0,0589174	0,613386
32927	21,734424	21,956518	21,923943	21,521455	21,406936	21,27892	22,2987	21,8667	21,6046	21,3309	20,680487	19,967647	19,838948	19,791585	19,1144	19,061	19,0409	18,991	1,379	1,52294	1,20913
32930	25,40676	24,292466	23,212438	22,050981	21,399736	21,074581	23,8061	22,0259	21,0378	20,5762	20,148803	19,481985	19,501961	19,177818	18,9248	19,1375	19,1759	18,8384	-9,999	0,694723	0,436745
32949	25,331028</																				

39388	23,545894	23,526828	23,12111	22,71711	22,113458	21,673974	23,0313	22,5848	21,8464	21,2753	20,99666	20,554048	20,233964	-99	19,8871	20,1525	20,5705	20,5343	-9,999	0,936967	0,859129
39421	23,749616	23,71325	23,305655	22,808709	22,642075	22,586133	23,4213	22,7423	22,281	22,2527	22,264776	22,16658	21,62614	-99	22,3075	22,7323	22,8679	23,152	-9,999	0,409986	0,429165
39440	25,429649	24,766862	24,082735	23,802488	23,643278	23,475413	24,843	23,9744	23,5941	23,4537	23,802408	25,137693	-99	-99	23,8129	24,4581	25,4094	24,0711	0,278	0,396971	0,581
39448	23,306944	23,229455	22,992736	22,573854	22,084897	21,932788	23,234	22,7541	22,04	21,85	21,521353	21,355918	20,666781	-99	21,1236	21,5478	21,4171	22,4591	-9,999	0,78244	0,85751
39458	23,702988	23,330632	22,717722	22,526634	22,32828	22,212376	23,5084	22,6658	22,3774	22,2549	22,191768	22,07507	22,471329	-99	21,6513	21,7571	22,1574	21,2027	0,2325	0,253272	0,448427
39461	22,620989	22,263394	21,612374	21,390679	21,201102	21,117367	22,2728	21,3736	21,054	20,8787	20,817879	20,656747	20,380665	-99	20,8655	21,0297	21,5778	20,5607	-9,999	0,252281	0,2318
39466	24,701041	24,348249	23,574448	22,689216	21,792425	21,464796	24,4706	23,068	21,8474	21,3861	20,695846	20,191035	19,923237	-99	19,9864	20,5311	20,7249	21,4535	-9,999	0,539508	0,748136
39477	23,480487	23,333086	23,150187	22,887767	22,643641	22,133737	23,1634	22,9094	22,5628	21,9873	21,645451	21,240911	20,442192	-99	20,5068	20,6317	21,018	20,9236	-9,999	1,30937	1,16788
39503	23,753612	23,049827	22,179815	21,265574	20,725267	20,400264	23,0031	21,5433	20,6365	20,1971	19,65586	19,161195	18,932165	-99	19,0373	19,2715	19,4613	18,9158	0,4859	0,486021	0,525646
39520	22,47365	21,801316	20,759835	20,253058	19,730092	19,463373	21,2784	19,9139	19,2541	18,8971	18,59902	18,102293	17,899647	-99	17,9939	17,9601	18,299	16,766	0,28	0,188564	0,286318
39566	23,631207	23,427279	22,7648	22,003233	21,161316	20,866988	22,4796	21,6231	20,6512	20,2919	20,051083	19,633259	19,342834	19,213963	19,0518	19,5675	19,7705	20,3864	0,7041	0,665189	0,624748
39576	23,715453	23,741728	23,548083	23,38446	22,753725	22,545452	23,5224	23,2775	22,6101	22,3235	22,133285	21,893993	21,451889	-99	21,6659	22,0457	22,0315	22,6497	-9,999	1,00522	0,90257
39588	24,024977	23,888306	23,317951	22,848284	22,633577	22,55283	23,7461	22,9965	22,4832	22,3665	22,338562	21,886562	99	-99	22,372	22,7009	23,3634	23,6264	0,4837	0,432862	0,371523
39651	25,285671	23,89056	22,756885	21,816567	21,029152	24,1244	21,284407	21,029152	24,1244	21,029152	21,029152	20,30044	19,96721	-99	20,1313	20,4674	21,0227	21,6221	-9,999	0,404167	0,427699
39695	25,671473	24,281347	23,187493	22,256264	21,737657	21,464786	24,5769	22,7386	21,8321	21,4337	20,809497	20,482065	20,431255	-99	20,8229	21,066	21,3694	21,4277	-9,999	0,43257	0,422078
39728	24,003226	23,759878	23,094778	22,713292	22,548094	22,320383	23,9656	22,9917	22,6213	22,3782	22,137416	22,424812	21,835822	-99	22,1401	22,3569	22,9928	22,3949	0,3906	0,396633	0,354513
39762	23,633275	23,271192	22,674802	22,030775	21,72423	21,493541	23,3956	22,3209	21,6739	21,3513	20,942568	20,596832	20,20498	-99	20,3032	20,4087	20,6128	20,2373	-9,999	0,650142	0,58868
39771	23,2802	23,18351	22,40473	22,065628	21,786736	21,625532	23,347	22,154	21,7113	21,4715	21,166693	20,989195	20,335652	22,808978	20,9473	20,9194	20,9232	20,7314	-9,999	0,311646	0,31064
39779	26,135114	25,468041	24,10529	23,187826	21,930263	21,49444	25,7924	23,6902	22,1416	21,4817	20,513663	20,15806	20,010226	-99	19,6594	20,1638	20,434	20,9512	0,8194	0,794035	0,787187
39801	23,515298	22,846384	21,843469	21,37238	20,943859	20,725795	22,1768	20,9138	20,3373	20,0547	19,989826	19,483457	19,388657	-99	19,326	19,365	19,7382	18,4731	-9,999	0,368327	0,417055
39814	23,861242	23,865541	23,752587	23,609947	23,440572	22,987596	23,2238	23,1137	22,725	22,2158	22,917743	23,307489	22,690099	-99	21,9503	22,0975	22,0825	22,9558	1,2457	1,18006	1,18923
39822	19,817131	20,493755	19,974388	19,571258	19,096272	18,923289	20,1576	19,5425	19,0474	18,6899	18,40991	18,039793	17,846746	17,648854	17,9961	17,9134	17,8924	17,1811	-9,999	0,264537	0,246999
39853	24,04106	23,771002	23,176156	22,660823	22,409479	22,212967	23,8424	22,9146	22,3709	22,1559	21,651176	21,431054	21,366837	-99	21,8736	22,0508	21,9985	21,9639	-9,999	0,520921	0,479534
39865	25,233749	24,915392	24,415091	23,835761	23,108204	22,855587	24,947	24,1156	23,1446	22,7926	22,091731	21,947928	21,238559	-99	21,5057	21,8272	21,6053	21,9276	-9,999	0,775948	0,805558
39866	24,426011	23,130181	22,574506	22,093609	21,869798	21,816962	23,8097	22,5464	22,0807	21,9424	21,351691	21,103005	20,509708	-99	20,3726	20,2114	19,805	19,5024	2,9223	2,0968	1,23523
39867	23,31331	23,237413	23,018083	22,735665	22,306191	22,112029	23,2141	22,8969	22,324	22,1859	21,756442	21,604963	21,32036	22,074648	22,1776	22,6957	22,7579	21,8764	0,913	0,760586	0,820668
39884	25,945813	24,211151	23,148801	22,043337	21,446867	21,175315	24,6311	22,5337	21,5131	21,1425	20,524456	20,163185	19,688679	-99	20,4393	20,8051	21,019	21,9376	-9,999	0,461398	0,421871
39946	23,048942	22,860839	22,379668	21,775369	21,578711	21,477224	22,7819	21,9886	21,4651	21,2718	21,120479	20,870074	20,529732	-99	20,9981	21,3129	21,3728	21,6396	0,5285	0,466365	0,461347
39982	24,843526	24,423418	23,880359	23,089992	22,166206	21,354409	24,2264	23,1328	22,0762	21,0752	20,202887	19,735953	19,354308	19,235378	18,7406	18,9327	19,3775	19,6216	-9,999	1,04783	1,13264
40025	25,474233	25,219616	24,533323	23,97977	23,64776	23,402521	25,1124	24,1849	23,5851	23,2267	22,799485	22,857981	26,261184	-99	22,5701	22,5998	22,6334	22,9634	-9,999	0,454993	0,337893
40056	25,171424	24,738158	24,352812	24,004247	23,57695	23,413883	25,0114	24,6125	23,8184	23,544	23,269695	23,10846	22,497596	-99	22,5484	22,8927	22,8715	23,0579	0,8504	1,03605	1,14065
40071	24,314814	24,098817	23,479886	23,027157	22,91451	22,821743	24,1015	23,2799	22,8548	22,7126	22,680981	22,621287	22,20843	-99	22,8077	23,1354	22,9461	24,1965	-9,999	0,350752	0,256256
40093	22,910343	22,166832	21,666133	21,471487	21,321584	21,238886	21,4153	20,7684	20,4835	20,3993	20,938446	20,747662	20,203467	-99	20,8748	21,2207	21,9112	21,0597	-9,999	0,0608974	0,215203
40131	24,248019	22,990551	21,857097	20,810915	20,237386	19,952693	22,4165	20,7838	19,8559	19,4913	19,198047	18,788487	18,570621	-99	18,6842	19,0021	19,3438	19,8845	-9,999	0,455548	0,402256
40161	25,863041	24,422087	23,298674	22,356536	21,87901	21,631055	24,4467	22,7279	21,8468	21,4979	20,967225	20,66552	20,271931	20,433201	20,8939	21,1683	21,4	21,742	0,4535	0,397475	0,480819
40205	23,336808	22,999642	22,252786	21,895364	21,574328	21,389573	23,0202	21,8219	21,3232	21,0647	21,013979	20,692654	20,499679	-99	20,1461	20,438	20,7699	20,7978	-9,999	0,482527	0,352473
40209	24,223744	23,521617	22,804096	22,323884	21,995237	21,802674	23,6218	22,5458	21,9995	21,7472	21,204364	20,904084	21,062927	-99	21,1342	21,3979	21,7475	21,554	-9,999	0,393496	0,586862
40210	25,444048	23,434208	22,148207	20,95986	20,333078	20,027661	23,614	21,2994	20,2354	19,8057	19,188885	18,738639	18,591681	-99	18,8944	19,2129	19,5175	20,0812	0,4598	0,467099	0,521774
40284	22,628447	22,52506	22,005986	21,629717	21,544317	21,388859	22,4492	21,7205	21,387	21,2204	21,017659	20,831397	20,534958	-99	21,1613	21,3045	21,5182	21,1199	-9,999	0,354124	0,316546
40315	25,526612	23,770591	22,553298	21,479865	20,661955	24,0211	21,9439	20,9657	20,5927	19,990134	19,574516	19,390959	19,312688	-99	19,312688	20,0619	20,3379	20,9072	0,4566	0,396655	0,363817
40320	25,941693	24,896134	23,857912	22,825048	22,290435	22,010137	25,5219	23,4045	22,4126	22,0019	21,382118	20,840287	20,444658	-99	19,477	19,7955	19,9944	19,6764	-9,999	0,531978	0,430907
40323	22,585712	21,977155	21,456127	21,407939	21,253422	21,232998	21,992	21,3024	21,0551	20,999	20,898373	20,719551	20,489394	20,666772	21,3893	21,6772	21,9305	21,3299	0,1632	0,0675915	0,216381
40377	22,688014	21,962115	20,899257	20,018362	19,550581	19,281448	21,9376	20,1419	19,251	18,8881	18,488445	18,048113	18,088611	-99	19,1082	19,3688	19,8584	19,4829	-9,999	0,419109	0,143263
40396	22,81901	21,658051	20,494592	19,856886	19,35094	19,042624	21,0306	19,3604	18,6082	18,2137	18,127078	17,659529	17,506935	-99	17,1094	17,375	17,7077	16,5567	0,189	0,255021	0,364043
40472	24,589198	24,16975	23,600977	23,116703	22,5553																

42205	23,739355	23,700172	23,506846	23,375655	22,741368	22,484364	23,6107	23,4216	22,7548	22,4369	21,667198	21,413279	21,510994	-99	20,6963	20,7278	21,0432	21,7632	-9,999	1,14446	1,01135
42215	24,522489	24,375626	24,273295	24,08512	23,765651	23,334027	24,4525	24,2156	23,8126	23,312	22,660392	22,655041	22,182066	23,072991	21,9761	22,3741	22,3644	22,6381	-9,999	1,23104	1,30297
42216	24,994141	24,596467	24,233172	23,779753	23,279919	23,05535	24,6468	23,9632	23,1989	22,969	22,294564	22,186599	22,263743	22,185762	21,3915	22,0999	21,9053	22,8497	-9,999	0,931538	0,889598
42224	24,40163	23,730431	23,147775	22,970754	22,762055	22,656327	23,913	23,1347	22,8096	22,6684	22,233091	22,191814	22,119301	-99	22,2446	22,3319	23,1357	22,2704	0,1786	0,334227	0,480586
42239	23,983843	23,819359	23,320872	23,119314	23,18489	23,140694	24,0189	23,2345	23,2375	23,0428	23,613575	23,861794	23,763539	22,30826	22,6214	24,4623	23,2446	26,2787	-9,999	-0,090557	0,674875
42241	21,191839	20,311946	19,578873	-99	18,871267	18,720572	19,0523	18,2079	17,7554	17,553	18,130543	17,91915	17,963355	18,029117	17,1752	17,603	17,7734	16,1271	0,104	0,104391	0,104801
42242	23,915491	23,6704	23,364548	22,703518	22,342664	22,225755	23,8236	23,0205	22,4011	22,2347	21,535155	21,203524	21,163506	20,94095	20,4903	20,633	20,3783	20,9556	0,594	0,973461	0,661974
42243	24,921809	24,61251	24,016592	23,564358	23,31412	23,183055	24,8322	24,122	23,5806	23,436	23,08372	23,009432	99	23,026525	22,484	22,7117	22,5197	22,5736	0,474	0,585955	0,660724
42244	24,764012	24,711889	24,59056	24,136327	23,820828	23,378769	25,0994	24,6351	24,1685	23,7161	23,751774	23,180254	24,689468	23,164628	22,3549	22,7739	22,6456	23,3563	-9,999	0,850755	0,527698
42245	21,591592	20,415355	19,390237	18,97582	18,469758	18,23892	20,2012	18,7871	18,1855	17,8591	17,57072	17,31833	17,43863	17,350103	17,7106	18,1717	18,5897	18,8507	-9,999	0,245758	-0,114918
42254	23,755137	23,430401	22,899379	22,317742	21,609023	21,381894	23,3406	22,5272	21,5499	21,2187	20,630839	20,193531	19,971076	20,02354	19,6877	20,1326	20,087	20,3303	-9,999	0,777771	0,822798
42255	21,540323	20,850499	20,270924	20,024786	19,763008	19,667135	20,2891	19,4864	19,1112	18,9459	19,167261	18,977979	18,963306	18,991721	19,0656	19,4558	19,6728	18,1071	0,136	0,15676	0,122428
42256	24,430465	23,88018	23,340509	23,135307	22,92985	22,927686	23,9271	23,1102	22,7983	22,7347	22,950089	22,643525	23,087578	22,57375	23,4192	23,7229	23,522	24,0533	-9,999	0,178495	0,290984
42257	23,178418	22,644399	21,990225	21,129888	20,652204	20,396951	22,3895	21,2086	20,424	20,091	19,671985	19,291323	19,192912	19,110202	19,6056	19,6918	19,7265	-9,999	0,519457	0,46833	
42259	24,557255	23,853102	23,309839	23,092412	22,900254	22,757849	23,8188	23,0226	22,6741	22,508	22,321949	22,26957	21,826355	23,686091	23,2935	23,6376	23,7437	23,5936	-9,999	0,148506	0,445575
42260	24,85949	24,798962	24,614601	24,02913	23,745419	23,608149	25,077	24,5115	23,907	23,8269	23,005398	23,338594	22,791078	23,65709	22,8441	23,3234	23,4709	22,5274	-9,999	0,720516	0,877003
42261	23,865147	23,107985	22,101366	21,629963	21,18779	20,990691	22,7825	21,4435	20,8336	20,5113	20,144128	19,699193	19,551968	19,403977	19,6674	19,7752	20,1835	18,7192	-9,999	0,415291	0,389466
42264	23,928706	23,582934	22,831585	22,346686	22,163719	21,981098	23,4734	22,4443	22,0011	21,7874	21,689932	21,341495	21,106316	21,31017	21,6756	21,9451	22,262	22,0292	-9,999	0,364506	0,328688
42265	25,097799	24,707957	24,156449	23,627865	22,970529	22,762026	24,6923	23,8378	22,9005	22,6228	22,266805	21,551628	21,482291	21,383469	21,2959	21,6665	21,7472	22,1191	-9,999	0,245758	0,178178
42267	23,914553	23,771295	23,487021	23,035161	22,423189	22,241375	23,9167	23,3145	22,4893	22,259	21,672279	21,569133	21,276012	21,463053	21,4889	21,8966	21,8502	22,4732	-9,999	0,827367	0,815864
42271	23,916311	23,72512	23,11591	22,70029	22,529982	22,336	23,8666	22,965	22,5193	22,2843	21,820089	21,559516	21,586354	-99	21,8975	22,0412	22,7688	22,2405	-9,999	0,473382	0,427685
42273	23,700145	23,636336	23,436165	22,848409	22,570173	22,486216	23,5597	22,9788	22,3641	22,1905	22,023218	22,059704	21,745869	21,958422	21,8826	22,3206	22,5385	22,9472	-9,999	0,691917	0,677881
42276	24,730766	24,632015	24,365431	24,164057	23,112129	24,6233	24,1891	23,6025	23,0066	22,341824	22,04463	21,939869	22,550247	21,6927	21,9023	22,11	22,6123	-9,999	1,18752	1,13999	
42279	25,683214	25,076866	24,444355	23,595275	22,97164	22,719095	25,1403	23,9439	23,0016	22,7088	22,120161	21,532607	21,614424	21,274299	21,694	22,1245	22,1892	23,0285	-9,999	0,605194	0,651045
42297	24,912929	24,635098	24,289183	23,880658	23,743738	23,620501	24,6605	24,0081	23,6161	23,5655	24,693405	99	26,242391	99	23,2875	23,594	99	99	0,4749	0,472013	0,4082
42301	24,392765	24,260283	24,116832	23,771694	23,278333	23,002223	24,388	23,9573	23,3516	23,1059	22,639124	22,442006	22,18239	22,454767	22,8886	23,3522	23,1983	23,9716	-9,999	0,917572	0,839409
42316	23,510223	23,517608	23,396702	23,22338	22,855433	22,570851	23,3691	23,1792	22,7773	22,3266	22,167461	22,125197	21,523757	22,398014	22,0816	22,3887	22,5013	23,2142	1,1518	1,07388	1,01679
42325	25,132267	24,740561	24,622287	24,067653	23,702585	23,433757	25,0617	24,4417	23,7912	23,4642	22,752576	22,016986	22,048177	23,206711	22,5091	22,5754	23,0391	23,0728	-9,999	0,767299	1,00315
42327	25,023571	24,748421	24,345088	23,93141	23,921093	23,6944	25,0193	24,2062	24,1036	23,7861	23,195603	23,694124	24,170314	23,540198	24,2916	24,6723	25,059	25,9645	-9,999	0,756756	0,874686
42334	25,489754	24,757952	23,567374	22,576435	21,603173	21,299026	24,9078	22,9965	21,6297	21,1593	20,623726	20,163139	19,874848	19,721444	19,7896	20,2923	20,5878	21,1601	-9,999	0,62489	0,68693
42336	27,371234	25,480507	23,743577	22,713853	21,532156	21,196877	25,6729	23,1764	21,6658	21,1727	20,38921	19,929754	19,745245	19,589186	19,6586	20,191	20,4047	21,0915	-9,999	0,843449	0,628992
42338	24,127435	23,913111	23,485552	22,924935	22,709897	22,631717	23,8591	23,0827	22,595	22,4469	22,642551	22,348966	21,857515	22,072482	22,0401	22,6929	22,7429	99	-9,999	0,433031	0,440673
42351	24,316259	24,259187	24,026772	23,789203	23,09978	22,827277	24,212	23,8291	23,1991	22,722	22,327355	22,027753	21,793238	21,901545	21,6602	22,0906	23,3853	22,8583	1,0108	0,968469	0,986963
42353	23,441874	23,386591	23,231832	22,749793	22,445081	22,529718	23,4189	22,9958	22,4811	22,4769	22,273726	21,904275	21,766647	22,01979	22,1776	22,4522	22,892	22,8611	-9,999	0,510842	0,551684
42359	24,232749	24,111715	24,07872	24,038164	23,607117	23,394499	24,3154	24,1328	23,7431	23,4646	23,257687	23,831398	22,524938	23,889855	22,9074	23,3455	23,2862	22,7263	-9,999	1,05691	1,29636
42361	25,166966	24,836834	24,158362	23,504547	22,625061	22,236222	24,916	23,7115	22,7876	22,1885	21,278329	20,618461	20,412307	20,142789	19,3598	19,1152	18,6626	18,0737	-9,999	1,34219	0,720024
42369	24,457957	23,716751	22,91655	22,282945	21,82752	21,501924	23,9088	22,6266	21,8928	21,4767	21,10029	20,788391	20,048729	20,150299	20,3432	20,344	20,4614	19,4313	0,4865	0,821623	0,658639
42374	22,445439	21,861727	20,887948	20,427114	20,012802	19,820299	21,2853	20,0266	19,5067	19,2072	19,25424	18,893598	18,76847	18,615773	18,9466	19,0648	19,465	18,4588	0,2986	0,289638	0,256177
42382	23,266659	23,091172	22,804678	22,231003	21,873115	21,818435	23,0124	22,4053	21,7804	21,6365	21,363778	21,094712	20,885531	20,936262	21,0367	21,4308	21,5167	21,8167	-9,999	0,624639	0,650087
42394	23,418913	22,863069	22,082325	21,412248	20,997347	20,756024	22,9805	21,7339	21,0287	20,6783	20,134635	19,730583	19,500477	19,469324	19,9167	20,1855	20,308	19,9167	-9,999	0,643041	0,495207
42403	24,191264	23,66299	22,902618	22,602439	22,319097	22,192276	23,892	22,8057	22,3745	22,1861	21,797616	21,409782	21,355752	21,446414	22,0628	22,4438	22,8932	21,9646	-9,999	0,292754	0,468812
42407	25,059537	24,722727	24,375491	23,832587	23,265197	23,031411	25,1449	24,2936	23,3653	23,0401	22,398815	21,980036	21,363958	21,545923	21,0226	21,3015	21,4447	21,5222	-9,999	0,856112	0,950892
42417	25,266432	24,347444	23,331537	22,142344	21,319611	20,896704	23,9933	22,2289	21,0177	20,4942	19,837194	19,128762	18,845471	18,606555	18,2404	18,6488	18,6152	18,8311	0,641	0,520379	0,493332
42426	24,30024	23,905876	23,347541	23,186798	22,980951	24,0663	23,2921	23,0283	22,9304	22,700361	22,479827	22,031544	22,252179	23,100							

42486	23,769784	23,711828	23,286798	22,897066	22,099455	21,760867	23,5962	22,8812	22,0336	21,5037	21,028932	20,910666	20,483812	20,467008	20,1106	20,4652	20,8343	20,9028	-9,999	0,911695	0,93867
42491	23,897271	23,332076	22,362539	21,949246	21,625613	21,441125	23,3289	22,0459	21,535	21,26	20,995785	20,748128	20,544773	20,520507	21,156	21,3782	21,6711	21,356	-9,999	0,246063	0,312389
42496	24,614342	24,534506	24,397894	23,741936	23,401839	23,388281	24,4272	23,9489	23,4461	23,3248	23,023742	22,437219	23,258038	23,790403	23,1429	23,7053	23,6466	23,639	-9,999	0,45784	0,467188
42503	24,183759	24,010688	23,388649	22,954204	22,770876	22,63564	23,9921	23,1018	22,6829	22,4615	22,396193	22,070282	22,094075	21,674411	22,4312	22,3634	22,9576	22,0249	0,444	0,471509	0,335724
42504	23,751589	23,74539	23,69152	23,158136	22,853957	22,903929	23,7178	23,3041	22,8204	22,779	22,529312	22,506369	28,624293	22,429442	22,3839	23,5285	21,086	99	-9,999	0,345886	0,540607
42516	23,784287	23,167374	22,46354	22,0719	21,960383	21,722493	24,3052	23,1834	22,5101	22,2478	21,442469	21,081747	20,764867	21,280476	20,9744	21,2824	21,5521	21,8167	0,52912	0,614364	0,81697
42526	23,37045	23,13074	22,829982	22,188535	21,824028	21,745722	23,1026	22,3774	21,7239	21,5798	21,373211	20,958648	20,809409	20,786732	20,703	21,0561	21,29	21,2323	-9,999	0,594573	0,660519
42543	26,202385	24,525039	23,104523	22,009044	21,165294	20,855423	24,8777	22,599	21,3622	20,9151	20,145065	19,729519	19,43974	19,464204	19,4559	19,8838	20,1422	20,6832	-9,999	0,604103	0,292801
42554	23,60425	23,552129	23,430579	23,254137	22,801994	22,510799	23,4946	23,2235	22,7855	22,2799	22,07376	22,076358	22,00438	21,516706	21,4331	21,7058	22,1792	21,9863	-9,999	1,12644	1,11246
42566	22,727551	22,116912	21,112036	20,474496	19,996744	19,769009	21,8529	20,5197	19,7928	19,4518	19,10611	18,700038	18,678222	18,469497	18,947	19,1432	19,4696	19,0186	-9,999	0,423133	0,185418
42590	23,579773	23,061783	22,351126	21,497829	21,032877	20,781714	22,9496	21,6868	20,8904	20,5284	20,153396	19,711484	19,613696	19,432691	19,6911	19,9876	20,2207	20,0831	0,5068	0,529602	0,506356
42599	24,05594	23,984442	23,655236	23,320616	22,676688	22,264414	24,1422	23,5471	22,8946	22,2869	21,800508	21,514674	21,138075	21,055839	20,7641	20,9868	21,2473	21,2802	-9,999	1,15783	0,974481
42600	25,723359	24,02699	22,888171	21,87646	21,300787	21,046281	24,264	22,3065	21,3785	20,9987	20,392427	20,000545	19,810553	19,760716	20,3797	20,7004	21,0135	21,7533	-9,999	0,369851	0,378527
42601	24,552162	24,205746	23,443743	22,794996	21,815167	21,387978	24,083	22,918	21,7296	21,1282	20,44088	20,107966	19,733263	19,462566	19,1045	19,4383	19,7141	19,874	0,975	0,925042	0,855612
42611	24,568554	24,510158	24,220058	23,937192	23,203757	22,940953	24,477	24,0265	23,2654	22,7887	22,519525	22,779155	22,047499	21,544833	21,6149	21,9588	22,2478	22,7857	-9,999	1,00191	0,933173
42614	22,708757	22,315219	21,506608	21,034709	20,693207	20,480342	22,1505	21,0586	20,5403	20,2282	20,030995	19,675228	19,568796	19,423407	19,8954	19,9343	20,2092	19,2988	-9,999	0,372135	0,269071
42632	24,262547	24,266909	24,226163	23,872937	23,496544	23,415144	24,7777	24,5202	23,9022	23,8151	23,271685	22,736504	23,04153	23,061191	22,8712	23,4555	24,0247	24,4783	-9,999	1,07374	1,35112
42635	27,083923	26,476266	24,929755	23,843595	22,604609	22,133289	26,381	24,3286	22,8006	22,0734	21,243405	20,78722	20,48535	20,431793	20,4142	20,9227	21,2044	21,7745	0,852	0,843855	0,836927
42650	27,347538	26,382482	24,867687	23,614925	22,351943	21,692056	26,1355	24,1196	22,579	21,6375	20,726845	20,26586	20,032185	19,832106	19,5065	19,9339	20,3161	20,7431	-9,999	0,912752	0,93445
42660	25,226465	24,808053	24,224655	23,634913	22,80679	22,550695	24,8625	23,8185	22,8387	22,4311	21,714816	21,540251	21,122151	21,203332	20,9226	21,3274	21,5171	21,8193	0,8412	0,806641	0,761201
42667	24,803643	24,748751	24,356898	23,854424	23,67703	23,695831	24,643	24,1826	23,5747	23,5008	23,241266	22,694395	23,191098	23,434049	23,9199	24,0929	23,8231	24,7918	-9,999	0,666655	0,538547
42668	25,251194	24,965597	24,277313	23,911272	23,76224	23,59268	25,0654	24,1371	23,865	23,6962	23,547471	23,319719	23,420734	22,764569	23,682	24,1879	23,9599	99	0,3755	0,383802	0,373107
42691	23,750848	23,520435	23,36075	22,907215	22,655926	22,341756	23,6007	23,0945	22,5125	22,2638	22,164173	21,611652	21,452236	21,557686	21,4438	21,8987	21,8223	22,4298	-9,999	0,688039	0,880763
42697	24,045208	24,027801	23,999561	23,846831	23,680879	23,348512	24,7458	24,6846	24,1604	23,6218	22,97245	22,165454	-99	22,693701	22,8095	23,0003	23,5361	25,0248	-9,999	0,769667	1,71808
42701	24,295682	24,231725	24,195708	23,899167	23,524566	23,351559	24,1871	23,9979	23,5781	23,296	26,271527	24,304332	23,601267	24,350885	23,3027	24,1113	24,2052	99	-9,999	0,707513	0,438346
42703	23,824395	23,574543	23,200774	22,640912	22,311682	22,208271	23,5339	22,8149	22,299	22,0967	21,332986	20,729375	20,495934	20,426086	19,4168	19,2722	19,2934	19,6261	-9,999	0,689674	0,601001
42705	25,942878	25,565949	24,64873	23,81535	22,57791	22,193643	25,2776	24,0782	22,7089	22,0595	21,237932	20,82956	20,504156	20,621887	20,3741	20,8491	21,1918	21,4504	-9,999	0,947162	0,868807
42711	24,963856	24,690064	24,346878	23,628131	23,199402	23,145562	24,9423	24,1757	23,5607	23,4069	22,390862	22,074387	22,640826	22,294412	21,1193	21,3891	21,4728	21,436	-9,999	0,92074	0,68352
42721	24,979957	24,866205	24,740746	24,306789	23,364067	22,901996	24,7927	24,3693	23,3064	22,6748	21,707618	21,1312	21,090743	20,869332	20,4734	20,793	21,3864	21,7868	-9,999	1,02289	1,30492
42724	25,557333	25,305278	25,008469	24,310871	24,148119	24,13914	25,3268	24,5662	24,0201	23,8043	23,947138	99	22,890685	23,619088	24,2196	24,6951	25,6714	26,0372	-9,999	0,942659	-0,750876
42725	26,663176	25,78609	24,83408	23,61372	22,459386	21,769344	25,8098	24,2436	22,7429	21,7819	20,780479	20,255067	20,049696	19,839026	19,6002	19,932	20,3903	20,4794	-9,999	1,06873	1,1495
42726	22,465411	21,896302	20,924989	20,476902	20,07702	19,897345	21,7404	20,4357	19,8475	19,5533	19,33963	18,977853	18,909064	18,750689	19,1087	19,2445	19,6702	18,607	-9,999	0,308991	0,1647
42736	24,191257	23,999338	23,454914	23,169324	23,136449	22,955321	24,0815	23,3655	23,2015	23,0018	22,915453	23,613226	23,173921	23,615144	22,8777	23,0089	23,0217	23,5875	-9,999	0,347376	0,445439
42743	26,542637	26,273263	24,710689	23,775475	22,710026	22,342412	26,1966	23,6254	22,0891	21,4983	20,397191	19,888995	20,740399	19,686093	19,3575	19,7632	19,9759	20,0669	-9,999	0,867281	0,5958
42745	23,81071	23,704153	23,598444	23,342523	23,005573	22,595117	23,6483	23,382	22,9839	22,4448	22,100479	22,183498	21,8918	21,725363	21,4593	21,5924	22,0868	22,1635	-9,999	1,21604	1,22566
42753	24,689296	24,393954	23,984495	23,513268	22,915835	22,720872	24,7779	24,1706	23,2474	22,9219	22,36502	21,510593	21,531504	21,557013	21,835	22,1735	22,1625	22,2684	-9,999	0,593595	0,842838
42755	24,516169	23,073302	21,851868	20,866273	20,288163	19,952439	22,9343	21,0028	20,0625	19,6195	19,082674	18,518916	18,325237	18,132832	18,2945	18,5569	18,7374	18,4781	-9,999	0,39156	0,457139
42758	24,149146	24,12852	24,077319	23,983892	23,809654	23,386979	24,068	23,9228	23,6057	23,2284	23,034532	24,007567	22,972398	23,512082	22,5846	22,8013	23,1258	23,6526	-9,999	1,01927	1,49685
42760	24,57837	24,29158	23,90706	23,325628	23,086009	23,046562	24,3848	23,5821	23,0238	22,9047	23,031545	22,774391	21,920053	22,321418	22,6538	22,9195	24	23,2822	-9,999	0,537348	0,451833
42778	23,702358	23,237368	22,458134	21,789039	21,41199	21,198865	23,3209	22,0683	21,4189	21,0868	20,727778	20,479434	20,115582	20,135353	20,7127	20,9022	21,2525	20,8377	0,4379	0,432116	0,450277
42779	23,682577	23,56566	23,120702	22,69234	21,972478	21,80443	23,3733	22,7468	21,8789	21,5922	21,084281	21,06704	20,665791	20,851899	20,5622	20,9833	20,9416	21,2583	-9,999	0,758559	0,765011
42783	23,963077	23,904397	23,594264	23,296076	22,67438	22,50388	23,9473	23,3807	22,6943	22,4261	22,171602	21,779132	21,205512	21,446807	21,6132	22,0277	21,834	22,3111	0,8518	0,813178	0,738261
42784	24,132986	23,97844	23,462325	23,049009	22,228863	21,991894	24,0032	23,1916	22,2269	21,88	21,223546	20,900445	20,692398	20,62857	20,4187	20,8294	20,9187	21,367	0,8517	0,824933	0,818823
42792	24,778444	24,590948	24,158629	23,622949	23,372084	23,353332	24,5016	23,7162	23,2584	23,1578	23,9455										

42877	24,449182	24,220995	24,173602	23,986536	23,608491	23,439	24,2467	23,9745	23,6298	23,3227	22,542401	22,004071	21,55037	21,542083	20,7325	20,5471	20,6931	20,7363	1,5223	1,58259	1,2765
42895	24,56242	24,124301	23,398786	22,47433	21,820998	21,545561	24,0578	22,7862	21,7903	21,4129	20,810884	20,401526	20,098238	20,107527	20,0944	20,6122	20,7712	21,6273	-9,999	0,496054	0,562934
42912	24,847744	24,593051	24,214009	23,72133	23,460286	23,454326	24,7199	23,979	23,5006	23,3773	23,144713	22,59915	22,584468	22,913607	23,214	23,6296	23,5362	23,9979	-9,999	0,477076	0,462675
42913	24,137715	23,73281	23,135159	22,352316	22,0057	21,873906	23,7744	22,7133	22,0323	21,823	21,467426	21,048556	20,878648	21,027049	21,2321	21,5946	21,9934	22,0511	-9,999	0,447199	0,538985
42923	24,952715	24,830216	24,177385	23,935185	23,866336	23,776089	24,7963	23,9813	23,8158	23,6821	23,700986	24,980535	-99	23,407803	24,1805	23,6346	23,9183	22,5349	0,3567	0,505257	0,200687
42929	23,864457	23,718413	23,313366	22,729739	22,601884	22,549766	23,8402	23,0999	22,5459	22,3917	22,133493	21,695416	21,573917	21,533241	21,9261	22,1579	22,1808	22,669	0,5705	0,495459	0,53088
42932	24,84549	24,486397	23,999415	23,516738	22,729193	22,401179	24,6567	23,7225	22,7589	22,3117	21,64651	21,378161	20,658804	20,783193	19,7432	20,2792	19,5458	19,7387	-9,999	0,556967	0,864152
42933	24,393099	24,240005	24,039871	23,499817	23,042641	22,962127	24,1962	23,7623	22,9813	22,8281	22,691674	22,180299	22,34477	22,383746	22,5727	23,0255	23,3965	23,5188	-9,999	0,806233	0,782616
42935	23,937943	23,813089	23,627732	23,373861	22,802175	22,627411	23,8558	23,4821	22,8485	22,5838	22,12518	21,908355	22,112832	21,806542	22,0986	22,5374	22,8036	23,5704	-9,999	0,885595	0,839215
42936	24,320631	23,93955	23,269328	22,680206	21,688651	21,297482	23,8798	22,7825	21,6359	21,0505	20,495258	20,03944	19,668315	19,562769	19,1043	19,4659	19,6673	19,8892	-9,999	1,0008	0,943226
42944	24,060648	23,292338	22,328572	21,429264	20,9	20,599027	23,1926	21,6616	20,8061	20,4028	19,908768	19,555172	19,193998	19,285706	19,5806	19,9486	20,1138	20,3799	0,458	0,494877	0,406749
42946	25,137514	24,830587	24,220198	23,689216	23,511756	23,323841	24,6716	23,8572	23,4403	23,1679	22,766463	22,610464	23,028357	22,788523	23,8214	23,0244	20,7573	22,4047	-9,999	0,605804	0,462215
42949	26,581618	25,805367	24,596655	23,582946	22,430186	21,969693	26,2073	23,932	22,5452	21,8293	21,121043	20,644829	20,349924	20,572924	19,996	20,6216	20,4427	21,2573	0,849	0,844656	0,837965
42971	25,113231	24,737643	24,228427	23,794639	23,553908	23,423853	24,7946	24,0094	23,5156	23,3099	22,961376	23,994906	22,264092	21,790324	23,1993	23,6711	23,0655	24,1874	0,4763	0,525369	0,509523
42975	26,194721	25,176435	24,176172	23,186355	22,581234	22,361261	25,3565	23,584	22,6156	22,2017	21,636903	21,247871	21,037919	21,850931	21,2963	21,616	21,8527	21,9015	1,132	0,702959	0,653256
42981	24,855039	24,347193	23,867317	23,156336	22,531888	22,314795	24,5237	23,4932	22,6138	22,2973	21,635865	21,310635	21,031368	20,949128	21,0881	21,501	21,8546	21,7972	0,6406	0,642972	0,708253
42986	25,839647	25,713394	24,612514	23,763523	22,624248	22,220689	25,6113	24,1597	22,732	22,1198	21,320186	20,989286	20,514945	20,423281	20,1705	20,6034	20,5887	20,9074	-9,999	0,934943	0,809396
43003	24,51014	24,318907	23,731909	23,332234	23,458968	23,188226	24,5018	23,6808	23,4828	23,3152	22,791992	23,048444	28,028197	23,818425	23,8892	24,1035	24,3676	23,9232	-9,999	0,330767	0,68159
43006	23,818995	23,431363	22,041357	21,778082	21,532333	23,2192	22,1213	21,5305	21,2214	20,926882	20,497786	20,185123	20,182557	20,4394	20,5919	20,7669	20,1665	-9,999	0,475839	0,402642	
43013	24,379501	24,267808	24,262856	24,139174	23,728925	23,373319	24,3187	24,1588	23,923	23,4043	23,125408	22,890578	22,148874	23,133236	22,4412	22,579	23,296	22,7225	-9,999	1,00611	1,14932
43019	23,622577	23,590237	23,288729	23,036207	22,365996	22,145013	23,5803	23,1114	22,426	21,9918	21,506593	21,407099	21,530834	21,232876	20,7561	21,1284	21,5582	21,682	1,014	0,975972	0,998028
43022	22,914006	22,308101	21,330848	20,729107	20,262122	20,011457	22,1002	20,7801	20,0837	19,7157	19,350606	18,955868	18,832941	18,64437	19,1418	19,2316	19,5427	18,5884	-9,999	0,413372	0,247413
43032	24,561841	24,450897	24,373984	24,054283	23,556458	23,148264	24,5013	24,1625	23,6246	23,1142	22,560431	22,184681	22,030798	22,137666	21,9744	22,2975	22,7342	23,0826	-9,999	0,948016	1,11849
43034	23,646046	23,027834	22,283152	21,491586	21,089463	20,867364	22,8728	21,6375	20,9033	20,5492	20,366354	20,00091	19,707628	19,68277	20,0059	20,259	20,5674	20,2467	-9,999	0,536304	0,514267
43039	24,916274	24,806052	24,526264	24,126746	23,477955	23,162133	24,8722	24,2933	23,5541	23,0961	22,381479	22,021356	22,25892	21,883251	21,7981	21,976	22,7809	22,4156	-9,999	0,992366	0,88422
43040	24,244901	24,152787	24,040817	23,835499	23,27417	23,066588	24,1989	23,9507	23,3565	22,9512	22,722852	22,391816	23,348338	21,938955	21,8177	22,2222	22,2322	22,2182	-9,999	1,08636	1,06096
43041	23,147584	22,807012	22,417941	22,394372	22,182531	22,381154	23,2031	22,5917	22,3378	22,3559	21,872766	21,754117	21,758014	21,627542	22,4035	22,8347	23,297	22,3869	-9,999	0,3692	0,673589
43046	22,3775	22,278632	21,856449	21,64288	21,467306	21,331518	22,3695	21,768	21,3979	21,2874	21,049691	20,769723	20,666048	20,864667	21,2336	21,3536	21,7726	21,2222	-9,999	0,493775	0,578489
43047	25,535972	25,161765	24,35012	23,957047	23,771628	23,709238	25,2862	24,3428	23,8302	23,8289	23,20408	23,155481	22,567084	24,607123	23,4887	23,8776	23,6532	23,7698	-9,999	0,586619	0,630956
43060	23,821227	23,4411	22,731677	22,485564	22,306852	22,241025	23,0872	22,2276	21,9359	21,7928	21,80572	21,738963	21,604725	21,512254	22,1951	22,6032	23,2535	24,2006	-9,999	0,237572	0,290932
43086	23,88392	23,861357	23,74162	23,22379	22,92381	22,899074	23,7791	23,4563	22,9108	22,8289	23,306699	22,778595	22,62041	22,499968	22,5292	22,991	24,3057	23,2105	-9,999	0,651691	0,491614
43097	24,252338	24,257344	24,145546	23,92738	23,517878	23,204142	24,3376	24,0886	23,5842	23,2995	22,939585	22,810581	22,292842	22,65538	22,8762	23,2304	23,6626	22,8361	-9,999	0,923813	0,956965
43103	24,787253	24,452524	23,965436	23,334303	22,994038	22,91231	24,6111	23,6822	23,0848	22,9326	22,369338	22,059766	22,751143	22,042259	22,5634	22,9355	23,5579	23,549	-9,999	0,458056	0,439192
43105	24,911644	24,656786	24,361892	24,149328	23,908691	23,605196	24,9087	24,552	24,1434	23,8063	23,08759	22,423066	21,955225	22,454295	21,8204	21,6181	21,1836	20,8136	-9,999	1,96022	1,5161
43106	23,445512	23,382732	23,223645	22,955995	22,469313	22,343367	23,333	23,0181	22,3958	22,1814	22,001242	21,855024	21,513261	21,620615	21,6704	22,0673	22,1539	22,3492	0,8507	0,847128	0,845686
43107	23,563715	23,39429	23,156932	22,616556	22,295898	22,207773	23,4701	22,8376	22,2104	22,0486	21,803145	21,418528	21,18679	21,183257	21,3333	21,6892	21,9294	22,1102	-9,999	0,64071	0,730629
43111	21,711684	20,981511	20,69551	20,280745	19,909763	19,707209	21,1644	20,469	19,8031	19,4776	19,247834	18,732807	18,720173	18,541074	18,5285	18,6113	18,5744	18,4068	-9,999	0,656032	0,630476
43118	23,798637	23,604803	23,16474	22,858786	22,114645	21,882326	23,8279	23,0958	22,2604	21,8902	21,147459	20,88913	20,525084	20,689583	20,2093	20,5651	20,5832	20,8326	-9,999	1,10917	0,938864
43119	23,715391	23,356156	22,852234	22,156043	21,809144	21,660475	23,293	22,3805	21,7299	21,4633	21,20437	20,730641	20,577846	20,533686	20,8153	21,0722	21,2481	21,3461	-9,999	0,550607	0,601392
43129	24,223039	24,191688	23,962581	23,73313	23,191703	23,01643	24,3441	23,9138	23,2279	22,9926	22,762144	22,727063	22,167836	23,455003	22,4023	22,7189	22,5981	22,406	-9,999	0,934116	0,75501
43132	23,083648	22,866266	22,695815	22,683789	22,605333	22,545833	23,0432	22,7935	22,6776	22,5421	22,186572	22,228481	21,583772	21,178131	21,0793	21,3236	20,8285	21,4252	-9,999	1,40641	0,823137
43135	24,037974	23,85254	23,621485	23,185312	22,764937	22,574285	23,8761	23,4427	22,7931	22,5734	22,549333	22,575761	21,854792	22,015195	21,5557	21,9199	22,3947	22,5466	-9,999	0,707815	0,710538
43139	26,86838	25,86305	24,676518	23,593913	22,376754	21,820993	26,1959	24,0561	22,545	21,7262	20,979753	20,571815	20,236209	20,223343	19,8534	20,2581	20,5845	21,0269	-9,999	0,990581	0,94795
43142	25,338747	24,615929	24,207534	24,156896	24,04007	24,032716	24,8957	24,148	24,02</												

43263	24,164654	23,648674	23,223606	22,801798	22,635815	22,40135	24,1355	23,6169	23,0202	22,8179	22,459635	22,678984	21,256462	22,420723	21,8138	22,4121	22,1647	23,689	-9,999	0,340819	0,533737
43264	20,927863	20,043845	19,511607	-99	19,028464	18,924514	19,8256	19,0364	18,6776	18,5142	18,475907	18,238337	18,231427	18,260958	18,6801	19,0705	19,1533	17,7365	-9,999	0,388564	1,63837
43272	24,208635	23,702993	22,888549	22,456653	22,182392	21,94776	23,8127	22,6586	22,1842	21,8846	21,616833	21,410597	21,420593	21,164737	21,8149	21,9367	22,3203	21,6268	-9,999	0,421475	0,456816
43273	27,272645	26,833022	25,275767	24,375931	23,216521	22,913535	26,7849	24,8973	23,4185	22,8982	22,449234	22,190507	21,600164	21,656007	21,3819	21,8751	22,2385	22,2745	-9,999	0,533591	0,652403
43287	99	25,510157	24,741689	24,496208	24,265109	24,206528	26,215	25,1914	25,059	24,9465	24,150902	23,018754	23,378106	24,193608	23,6433	23,6641	23,3964	23,4534	-9,999	3,05547	3,2815
43288	24,474691	24,272538	24,088418	23,588632	23,07035	22,872655	25,8706	24,8838	24,0313	23,8341	22,956179	22,939547	22,781067	21,8932	22,1623	21,7677	22,4064	-9,999	0,638343	0,971902	
43289	24,581766	24,286937	23,749966	23,059701	22,748075	22,598555	24,2366	23,2908	22,6521	22,5046	22,225084	21,73967	21,671162	22,085798	21,8837	22,2268	22,3557	22,7688	-9,999	0,465918	0,523611
43297	22,860473	22,787014	22,649415	22,429694	21,976904	21,764831	22,9242	22,6076	22,1043	21,8628	21,465084	21,521876	21,124424	21,292347	20,9493	21,3131	21,4049	21,8729	-9,999	0,83328	1,16058
43308	22,238543	21,891565	21,174287	20,932857	20,755482	20,646748	21,4278	20,501	20,2323	20,0435	20,491454	20,232205	19,983044	19,993476	20,3261	20,5003	20,8959	20,0719	0,2988	0,135518	0,0603259
43317	22,827392	21,994277	20,872545	20,071651	19,573647	19,331953	21,2031	19,7619	19,0477	18,6879	18,648179	18,247528	18,115874	17,970585	18,0492	18,2558	18,7076	18,2998	-9,999	0,284253	0,2417
43319	25,551547	25,077996	24,672835	24,01175	23,410286	23,187473	25,1712	24,3479	23,4578	23,1528	22,502723	22,390379	21,894028	22,472619	21,9297	22,2919	22,2598	23,5585	-9,999	0,747787	0,752214
43323	27,072249	26,253393	24,878039	23,580544	22,370032	21,669462	26,0329	24,0742	22,5335	21,6373	20,678107	20,214911	19,856508	19,82421	19,4058	19,8321	20,2106	20,7411	-9,999	0,903973	0,935929
43326	23,196889	23,053249	22,713477	22,351656	21,717463	21,545103	23,0583	22,4928	21,735	21,4724	20,984896	20,698982	20,710091	20,405717	20,288	20,672	20,6621	20,9537	-9,999	0,786145	0,918145
43330	24,054303	23,442889	22,742051	21,936019	21,468626	21,21574	23,4962	22,2719	21,4618	21,1033	20,568641	20,005341	19,817165	19,749575	20,0793	20,3232	20,3971	20,1489	0,5238	0,530907	0,586232
43335	23,984627	23,93614	23,810778	23,490076	22,960367	22,762231	23,9753	23,629	22,9812	22,7242	22,320051	22,122117	21,660845	22,29562	22,0217	22,4417	22,6588	23,4994	-9,999	0,905705	0,85254
43338	25,145104	24,644079	24,208256	23,493966	23,115603	22,963965	24,7284	23,8407	23,1914	22,9915	22,604084	22,52699	22,081233	22,295943	22,4785	22,8313	23,5777	24,5827	-9,999	0,544401	0,570943
43341	23,774536	23,083724	22,169677	21,276612	20,523031	20,208833	22,6085	21,3056	20,2208	19,7911	19,385408	18,90376	18,767356	18,65172	18,536	18,9325	19,1727	19,2072	-9,999	0,614997	0,684534
43345	26,084429	24,442181	24,123639	24,007497	24,04564	23,943827	26,5282	25,7492	25,5843	25,5789	24,971949	23,51544	23,047808	24,015612	23,3394	23,3979	24,0812	24,3035	-9,999	2,74618	2,36596
43347	23,757866	23,70759	23,617451	23,395444	22,866256	22,728398	23,7766	23,4584	22,8814	22,6608	22,496044	22,497214	22,329959	22,062541	22,0937	22,5493	22,924	23,165	-9,999	0,887578	0,783284
43351	23,714907	23,209488	22,617385	21,883698	21,330398	21,101759	23,1336	22,0869	21,188	20,8696	20,438886	20,043395	19,586214	19,590029	19,7248	20,158	20,0285	20,4417	-9,999	0,623029	0,702267
43367	24,930614	24,692865	24,482875	24,098373	23,397588	23,261957	24,8805	24,3045	23,5081	23,2066	22,526497	23,323937	21,883852	22,440921	22,4083	22,8257	23,1604	23,3971	-9,999	0,833156	0,81546
43368	23,474875	23,406077	23,15634	22,88431	22,178577	21,964289	23,3119	22,9138	22,0996	21,7836	21,405207	21,202832	20,910334	21,129503	20,9417	21,3382	21,5519	21,8755	-9,999	0,931811	1,02591
43380	27,008069	25,924809	24,708998	23,54469	22,335444	21,727773	26,0393	24,0217	22,5052	21,6512	20,804411	20,28234	20,055757	20,003367	19,5836	19,9809	20,3207	20,7512	-9,999	0,956182	0,948946
43388	26,716632	25,744597	24,726338	23,582896	22,358306	21,741024	26,4072	24,0462	22,4583	21,5465	20,528657	20,043686	20,061044	19,725091	19,5288	19,9604	20,2909	20,7813	-9,999	1,11481	0,978423
43393	24,221553	24,01446	23,738258	23,320748	22,814071	22,36564	23,9948	23,483	22,9102	22,2389	21,682883	21,290125	20,789683	20,740904	20,3232	20,4273	20,7659	20,7695	-9,999	1,14609	1,19123
43402	24,854534	24,150189	23,839495	23,839579	23,591313	23,697897	24,1971	23,1808	23,5673	23,5686	23,157667	22,494176	22,570346	22,822266	24,1403	24,6456	24,0588	99	-9,999	0,482068	1,5454
43406	23,44489	23,322964	22,828596	22,543502	22,576714	22,407121	23,5585	22,805	22,6378	22,4852	22,220672	22,226564	21,605903	22,671541	22,2888	22,8521	22,4243	23,3492	0,2983	0,290846	0,412067
43416	99	28,178238	26,406237	25,234715	23,9398	23,360403	28,5662	25,6428	24,1602	23,3138	22,503367	22,435065	21,417296	22,35397	21,1229	21,5157	21,5369	22,5238	-9,999	0,70096	0,443476
43424	23,444128	23,265326	22,699438	22,21672	22,079888	21,905956	22,9695	22,1435	21,7051	21,5374	21,61655	21,349648	21,121901	21,26097	21,6413	21,7335	21,9757	21,8928	0,4577	0,401061	0,349342
43428	26,376811	25,427572	24,440939	23,424729	22,714231	22,42372	25,5809	23,995	22,9047	22,5243	21,919445	21,311023	21,093375	21,178169	21,3863	21,8525	21,9682	22,4703	0,57	0,560247	0,510024
43429	26,08865	24,905395	23,646692	22,587569	21,853389	21,574628	24,7889	22,8487	21,7693	21,3474	20,931025	20,55567	20,287382	20,38488	20,3444	20,7684	20,9858	21,5704	0,5689	0,588586	0,523162
43439	24,437271	24,294824	24,039199	23,472564	23,071879	23,030534	24,071	23,6766	22,9873	22,7863	22,759498	22,883951	22,911951	22,436197	22,5488	23,0093	23,8251	23,8519	-9,999	0,730011	0,739077
43446	24,241297	24,113745	23,929572	23,477721	22,828692	22,601414	24,0299	23,532	22,6683	22,376	22,174457	21,880583	21,603976	21,756799	21,5843	22,0208	22,2258	22,9391	-9,999	0,981512	1,01347
43451	24,418234	24,289374	24,044475	23,72653	23,163237	22,946718	24,3685	23,8951	23,1977	22,9434	22,434246	22,295972	21,818484	22,245182	22,5501	23,061	23,3466	24,3717	0,8409	0,905006	0,815021
43457	23,545718	23,34307	22,648165	22,312588	22,201552	22,018282	23,3293	22,4096	22,0898	21,8383	21,77053	21,529683	21,23965	21,389062	21,1592	21,1556	21,1493	21,0957	-9,999	0,462885	0,308014
43476	23,223781	22,9649	22,500684	22,018969	21,403155	21,177325	22,9603	22,1942	21,3829	21,0558	20,455444	20,246971	19,896699	19,887853	19,64	20,0487	19,9906	20,2517	0,8207	0,769269	0,808399
43481	25,07065	23,979156	22,944064	22,365365	22,013689	21,846637	24,2925	22,6775	21,9983	21,7269	21,286795	21,052791	21,022566	20,799359	21,1466	21,4923	21,7967	22,4457	-9,999	0,273599	0,549823
43486	25,963445	25,700349	25,131802	24,106209	23,060417	22,231964	25,6247	24,5374	23,1595	22,1052	20,886275	20,325319	20,057823	19,946279	19,4295	19,5994	20,0347	20,3332	1,2534	1,30454	1,20176
43488	23,655671	23,454906	23,124024	22,528629	22,282869	22,255671	23,4073	22,7118	22,1733	22,0595	22,041391	21,80857	21,463297	21,543293	21,2291	21,5644	21,6767	21,448	-9,999	0,458479	0,551098
43491	23,694114	23,229574	22,903187	22,703431	22,386045	22,263991	23,7917	23,1905	22,9117	22,786	22,058482	22,152656	22,832659	21,874715	21,6349	22,0041	22,1322	22,2609	0,089	0,27343	0,631151
43494	23,497647	22,041845	20,757621	19,958459	19,388769	19,227951	22,0252	20,1116	19,2877	18,9391	18,49295	18,10955	18,11113	17,893098	18,4153	18,6724	19,1591	19,635	-9,999	0,309267	0,0304547
43500	23,865898	23,59005	23,127701	22,562521	22,302966	22,198966	23,6749	22,8615	22,3261	22,1588	21,925546	21,549728	21,110728	21,15831	21,4103	21,704	22,0517	21,6967	-9,999	0,421853	0,576545
43502	26,000865	25,577208	24,673759	23,774812	22,572029	22,012715	25,2253	23,9752	22,586	21,8035	20,875922	20,263602	19,852124	19,639487	19,2357	19,5674	19,7512	20,1206	-9,999	0,901349	0,95656
43507	24,167797	23,646161	23,002701	22,349783	21,673397	21,4343	23,6412	22,6044	21,6814	21,											

43556	24,230659	24,495117	24,515895	24,589681	24,389917	24,173175	24,5682	24,6544	24,5297	24,1809	23,241301	22,228448	21,569584	22,082712	21,9604	21,7863	20,9382	19,9491	2,211	2,15964	1,89644
43559	25,541618	24,857137	24,002822	23,037936	22,551269	22,322136	24,6322	23,2979	22,4005	22,0896	21,751181	21,301275	20,852248	20,904026	21,3404	21,7632	22,2676	22,4752	-9,999	0,703328	0,742726
43566	23,692128	23,354018	22,950435	22,17422	21,803533	21,670981	23,0814	22,3911	21,6016	21,4283	21,44991	21,108362	20,62725	20,683321	20,6724	21,0472	21,1634	21,248	-9,999	0,630411	0,675363
43572	23,472176	23,202138	22,699059	22,150375	21,942255	21,807983	23,1619	22,2791	21,7754	21,589	21,382045	21,026046	20,902694	20,918705	21,4458	21,6666	21,7201	21,249	0,4748	0,455022	0,452878
43576	24,193078	24,157717	24,006242	23,873229	23,401694	23,322651	24,2241	24,0666	23,5421	23,3534	22,640285	22,818333	22,373942	23,063255	21,8487	22,0661	21,8649	22,1222	-9,999	1,52328	1,06468
43581	23,756012	23,218113	22,372135	21,790158	21,419033	21,164245	23,3035	22,054	21,4173	21,0664	20,623196	20,236906	20,046416	20,005533	20,5702	20,6511	21,0358	20,1233	0,407	0,446514	0,463349
43587	24,889085	24,578371	23,803513	23,191327	22,146016	21,757103	24,8513	23,4929	22,2441	21,669	20,870598	20,347716	20,010925	19,889419	19,4877	19,7893	19,9714	20,1123	-9,999	0,961212	0,8648
43594	23,433182	23,015913	22,417592	21,685941	20,8937	20,667502	23,1621	21,9585	20,8642	20,4581	19,925885	19,517423	19,314491	19,152816	19,0299	19,4412	19,4745	19,7319	-9,999	0,692212	0,894389
43597	23,936773	23,749011	23,545428	23,099954	22,87447	22,944121	23,9688	23,4862	23,0367	22,9893	22,833129	22,622695	22,201993	22,077145	22,2079	22,4381	22,6798	22,7381	-9,999	0,549783	0,49652
43601	24,617806	24,118264	23,391896	23,155131	22,975223	22,876152	23,7046	22,9203	22,6526	22,5536	22,538028	22,234792	22,197559	22,365012	22,5409	22,8527	23,1314	25,541	-9,999	0,254916	0,216621
43607	24,579774	24,553332	24,48765	24,280777	23,940506	23,561176	24,5017	24,3428	23,9148	23,3535	24,28296	24,301334	23,034512	23,025803	22,274	22,6159	24,2269	23,4585	-9,999	1,13575	0,853226
43618	26,477788	25,36741	24,089478	23,137454	22,182531	21,938757	26,2494	23,6449	22,3737	21,9261	21,247537	20,850023	20,554128	20,631062	20,4797	20,9134	21,0311	21,7885	-9,999	0,72596	0,490198
43635	23,765305	23,602306	23,246833	22,699617	22,276761	22,188404	23,6818	22,9689	22,3572	22,1757	21,694426	21,284946	21,40651	21,004615	21,4159	21,7344	21,5055	21,6469	-9,999	0,549862	0,659168
43654	25,131982	24,814287	24,323283	24,019339	23,275056	23,020152	25,163	24,5218	23,5792	23,2639	22,514703	22,26401	21,914217	22,137176	23,0207	23,3704	23,389	23,759	-9,999	1,3534	1,03651
43655	25,600202	23,889379	22,869257	21,852312	21,210117	20,946625	24,1572	22,2675	21,2662	20,8736	20,305474	19,838681	19,786086	19,696756	19,7901	20,172	20,537	21,0087	0,512	0,506981	0,512083
43658	23,703937	23,063197	22,221726	21,266483	20,77103	20,519049	23,0081	21,5271	20,6809	20,2899	19,898476	19,367016	19,280349	19,127561	19,1323	19,372	19,568	19,6093	-9,999	0,434783	0,445189
43660	25,260625	24,916977	24,60511	24,22686	23,583314	23,429832	25,071	24,5489	23,7471	23,5268	23,006399	22,679211	22,154515	23,336827	22,3418	22,7621	23,1166	23,4241	-9,999	0,889512	0,828248
43672	24,818973	24,853456	24,788482	24,982569	24,543096	24,674474	24,9706	24,7788	24,387	24,8209	99	99	23,270577	23,663089	25,3878	25,2037	23,735	26,7927	0,4846	0,492525	0,549693
43674	24,44214	24,118264	24,048186	23,644056	23,104607	22,887411	24,2279	23,71	23,0328	22,7813	22,730407	22,62656	22,364449	22,421539	22,2415	22,6784	22,9651	23,6916	0,8049	0,883736	0,788923
43675	23,644928	23,607804	23,458845	23,277873	22,630682	22,374273	23,3198	23,0221	22,4836	22,0946	21,873804	21,863648	21,864553	21,334235	21,1686	21,5915	22,0948	22,0972	-9,999	1,00266	0,90435
43677	24,472725	24,467286	24,440547	24,216078	23,909595	23,612923	24,4511	24,2638	23,816	23,5992	22,93986	23,560236	23,99742	24,645878	23,5236	23,9401	23,6115	24,6458	-9,999	0,945334	1,15919
43679	25,748395	24,070457	22,905398	21,80653	21,162833	20,911792	24,4133	22,2894	21,252	20,8651	20,279969	19,792614	19,714315	19,570818	20,0978	20,4428	20,7762	21,2978	-9,999	0,462102	0,373541
43681	24,131347	23,501844	22,735607	21,796351	21,186343	20,897631	23,4393	22,087	21,1382	20,7196	20,156248	19,577479	19,454615	19,275939	19,4388	19,835	19,9105	20,0434	0,561	0,515564	0,579643
43707	24,635722	24,426143	24,206216	23,74331	23,460744	23,398392	24,5948	24,0441	23,5271	23,336	22,752748	22,411091	22,977844	26,997622	22,7962	23,1588	23,452	22,9972	-9,999	0,64724	0,808669
43708	24,237725	24,02605	23,507155	22,927476	22,721023	22,621743	23,8773	23,0602	22,5458	22,4009	22,356698	22,16242	21,6331	21,681058	22,0632	22,4409	22,9255	22,3494	-9,999	0,45292	0,446241
43709	24,428753	24,352677	24,168313	23,88423	23,312239	23,198061	24,5289	24,1644	23,4111	23,1524	22,610177	22,964389	22,191552	22,14756	22,2694	22,5956	22,3346	24,6146	-9,999	0,917706	0,914782
43711	24,258557	23,399735	22,311977	21,201885	20,431306	20,118423	22,854	21,2174	20,0842	19,655	19,389195	18,553151	18,745121	18,593401	18,5869	19,0153	19,2435	19,7914	0,563	0,635714	0,604801
43713	25,063506	24,120046	23,196576	22,291402	21,697537	21,396461	24,5107	22,7025	21,7375	21,3174	20,72798	20,162726	19,888392	19,829507	20,2298	20,4535	20,6611	20,7066	-9,999	0,570339	0,535105
43721	24,55434	24,289998	23,849098	23,226289	22,203154	21,731183	24,167	23,3263	22,1818	21,4806	20,808241	20,311383	19,980978	19,808505	19,4721	19,8046	20,1013	20,4011	-9,999	1,08488	1,13386
43739	24,259948	23,899462	23,233858	22,492956	22,134928	21,907966	23,6989	22,5002	21,8041	21,5525	21,366881	21,035846	20,641237	20,613649	21,5601	21,8044	22,2142	21,9546	0,5113	0,529552	0,501715
43749	23,676702	23,617164	23,472642	23,270368	22,870147	22,575558	23,611	23,4604	22,9465	22,5724	22,434862	22,370251	22,335081	21,644678	21,1962	21,4701	21,6882	21,8144	-9,999	1,08923	0,98054
43760	24,025899	23,851949	23,711226	23,545197	23,104457	23,09646	24,0121	23,7928	23,4514	23,1631	22,705844	24,267184	-99	22,902825	22,3717	22,5025	22,8428	23,0912	1,1388	1,07767	1,17954
43763	23,855248	23,655999	23,410893	23,028158	22,632164	22,108367	23,5651	23,1257	22,5263	21,8728	21,534553	21,015621	20,599331	20,58092	20,0797	20,2009	20,5664	20,5702	-9,999	1,18626	1,29049
43770	25,151319	24,404101	23,400095	22,55155	22,086324	21,795793	24,1631	22,751	21,9067	21,5429	21,107605	20,585458	20,106628	20,204562	20,4112	20,6282	20,9677	20,4019	-9,999	0,543011	0,483922
43771	26,267674	25,076874	23,600464	22,58504	21,558689	21,236102	25,0874	22,9527	21,5639	21,0813	20,434543	20,002413	19,684695	19,656137	19,6144	20,159	20,4188	20,9106	-9,999	0,669192	0,609191
43772	24,006838	23,8281	23,373978	22,933071	22,223586	21,948478	23,754	23,0099	22,1538	21,8006	21,286637	20,999879	20,499467	20,666935	20,4238	20,868	20,884	21,3968	-9,999	0,788476	0,824318
43774	23,970032	23,705796	23,351238	22,822236	22,296898	22,105199	23,5725	22,8891	22,1104	21,8487	21,667884	21,252774	21,062536	20,906283	20,8942	21,3298	21,2628	21,7911	0,7609	0,744805	0,811889
43776	25,425651	25,040075	24,627685	23,910462	23,096095	22,371601	24,8167	24,0877	23,1025	22,1878	21,334578	20,778702	20,282548	20,121056	19,7123	19,8904	20,2398	20,4479	-9,999	1,24955	1,22859
43777	25,43129	24,918589	24,314054	23,810896	23,500951	23,471634	25,033	24,121	23,5225	23,4616	23,207681	23,107249	22,695686	22,186431	22,7674	22,868	23,1969	23,4228	0,517	0,489384	0,448165
43784	24,479268	24,531613	24,358951	24,295225	23,696495	23,520142	24,5026	24,3215	23,8684	23,5697	24,183389	22,504311	23,05873	22,607407	22,5479	22,8563	22,9835	99	1,05	0,888665	0,73836
43805	23,728082	23,515605	22,8474	22,601354	22,489793	22,302349	23,4754	22,6234	22,3846	22,1784	22,209344	22,078041	21,537738	21,423212	22,5429	22,9363	23,6873	23,6282	-9,999	0,352103	0,221997
43822	24,317276	24,232287	24,173247	24,094195	23,459938	23,317475	24,2492	24,0758	23,4831	23,2553	23,354714	23,70094	22,527657	99	22,4675	22,8999	23,6595	23,7793	-9,999	1,02473	0,885289
43823	22,632955	21,933831	21,54467	21,389676	21,192975	21,151084	22,0435	21,4083	21,1328	21,0267	20,743023	20,574367	20,627335	20,713447	21,4856	21,9021	22,1599	21,6092	-9,999	0,125124	0,506898
43835	23,868394	23,129255	22,178512	21,396838	20,898637	20,660914	23,2565	21,7004	20,908	20,5304											

43889	24,472756	22,901925	21,747643	20,647481	20,064152	19,831588	23,1326	21,0511	20,0575	19,7084	19,222241	18,798255	18,654246	18,526017	18,9798	19,3688	19,7103	20,303	-9,999	0,491722	0,454896
43898	24,922668	23,840101	22,791026	21,807156	21,232989	20,954628	24,1491	22,2125	21,2408	20,8584	20,313172	19,896925	19,630345	19,580797	19,861	20,2055	20,5744	20,9279	0,511	0,461809	0,422973
43901	27,841214	26,206463	25,544559	25,26712	25,293448	25,47707	26,1661	25,5016	25,3169	25,3269	24,97228	24,301044	23,613415	23,481304	24,0044	24,1765	23,9686	24,334	-9,999	2,99351	2,697
43904	24,671014	24,371426	23,904995	23,222899	22,929112	22,718698	24,5092	23,5515	22,9409	22,7206	22,362926	21,800641	21,320634	21,895008	22,0453	22,3464	22,3379	23,0002	-9,999	0,531774	0,516137
43915	24,66707	24,418025	24,095123	23,645499	23,149789	22,586325	24,4784	23,8834	23,2547	22,5155	21,794276	21,16782	21,221206	21,223894	20,7812	20,917	21,289	21,2171	-9,999	1,21075	1,30001
43916	23,809751	23,501192	22,894842	22,294616	22,096261	21,953782	23,3207	22,4083	21,8973	21,7311	21,764629	21,411492	21,365008	21,479422	21,3628	21,6302	21,2189	21,7189	-9,999	0,417659	0,404759
43918	22,909583	22,609074	21,800254	21,492905	21,307118	21,124886	22,6712	21,6618	21,308	21,0826	20,777488	20,550729	20,384113	20,402727	20,9965	21,1951	21,5763	20,999	-9,999	0,237712	0,378967
43919	24,339866	24,084634	23,646178	22,92354	22,373085	22,177331	24,1078	23,1982	22,3604	22,0813	21,605292	21,398323	20,997006	21,163822	21,202	21,6698	21,934	22,0924	-9,999	0,704015	0,705984
43920	23,303969	22,985983	22,405052	21,900466	21,589922	21,348621	23,2594	22,282	21,7092	21,3825	20,887577	20,645001	20,300106	20,351727	20,702	20,8807	21,2703	20,5666	-9,999	0,591217	0,791456
43921	26,001108	25,588631	25,670015	25,110489	24,693493	24,218589	25,0323	24,8352	24,3514	23,9415	22,738223	22,019202	22,060985	21,741168	20,8135	20,6277	20,8863	21,1559	0,4741	0,74319	0,677243
43929	24,380065	24,248983	24,126585	23,760027	23,147441	22,932249	24,4371	23,9721	23,2368	22,9855	22,720188	22,635486	22,278617	22,487665	22,1537	22,509	22,9967	23,9066	-9,999	0,861533	0,823882
43935	23,577693	23,570208	23,141749	22,791994	22,082986	21,796004	23,199	22,6993	21,9328	21,464	21,157931	20,833202	20,369584	20,206904	19,7281	19,9992	20,2104	20,1639	1,0219	0,947023	0,846753
43936	25,589599	25,231218	24,579941	24,016504	23,68053	23,485106	25,3758	24,317	23,7859	23,5308	22,909723	23,787188	22,832374	23,625465	23,3767	23,6406	24,1837	23,4288	-9,999	0,52497	0,253803
43938	25,120636	24,797243	24,476622	24,022816	23,400558	23,245984	24,9182	24,2301	23,4486	23,2308	22,811663	22,451453	22,116757	21,953246	22,1494	22,5465	22,8741	23,2838	0,787	0,771885	0,713731
43947	24,568502	24,467022	24,327508	24,051348	23,740967	23,375462	24,6867	24,3692	23,735	23,4852	22,996986	22,420048	22,605331	21,987051	21,1664	21,1254	21,4864	21,266	-9,999	1,53993	1,07946
43949	22,67586	22,575401	22,477956	22,398678	22,307514	21,949068	23,0177	22,9581	22,8224	22,4493	21,507498	21,211555	21,211919	21,258636	21,008	21,0109	21,2862	21,1604	-9,999	1,61132	1,34064
43951	23,025756	22,961296	22,819453	22,426864	22,021807	21,829501	22,9002	22,5645	22,0899	21,8692	21,365005	21,089912	21,029967	20,978284	20,3667	20,7198	20,8642	21,1356	-9,999	1,0288	0,912092
43957	25,791923	24,811478	23,937714	23,188785	22,656194	22,439124	25,1723	23,5912	22,7395	22,4366	21,794693	21,288942	21,32711	21,079663	21,2328	21,5228	21,7087	21,6105	-9,999	0,566007	0,511811
43958	24,200748	24,067163	23,673937	23,334234	22,597793	22,38926	24,1056	23,4365	22,613	22,3035	21,965952	21,462306	21,3765	21,192345	21,2132	21,6462	21,7817	21,1464	-9,999	0,796878	0,816481
43965	23,754198	23,760804	23,620083	23,407372	22,967379	22,611219	23,5962	23,2887	22,8476	22,3378	22,191452	21,93497	21,981104	21,714279	21,3467	21,6289	22,0045	22,2539	1,145	1,14094	1,09618
43967	23,997513	23,881099	23,875942	23,625602	23,404015	22,891456	23,7822	23,6286	23,2994	22,7086	22,30791	21,722529	22,096328	21,648034	21,5709	21,6588	22,3293	22,3971	-9,999	1,41199	1,66202
43970	23,725391	23,701856	23,564403	23,435285	22,874327	22,666952	23,5709	23,3926	22,7913	22,4868	22,332401	22,008028	22,089073	21,765665	21,7993	22,0438	22,2726	22,8845	0,9465	1,03877	0,973998
43978	26,599458	25,91786	25,671559	25,147848	25,206047	24,730332	26,2684	25,5158	24,976	24,7481	24,341632	22,608528	25,276313	24,596452	25,0581	25,9734	25,7386	25,1845	3,43	3,19978	2,92995
43979	25,062058	24,870654	24,587721	23,996074	23,651167	23,497715	24,9703	24,215	23,6485	23,5495	24,013046	23,488101	22,94354	23,134857	23,5335	24,0378	24,0349	99	-9,999	0,642842	0,31806
43983	23,894666	23,883246	23,742184	23,600453	23,012458	22,790211	23,7616	23,5741	23,0077	22,6945	22,506042	22,648005	23,233502	22,279614	21,6231	21,9067	21,7841	21,9869	-9,999	1,05302	0,885418
43992	24,211394	24,032764	23,492301	23,022526	22,803262	22,686328	24,0992	23,2502	22,7534	22,613	22,144949	22,171388	21,699983	21,83138	22,5528	22,8006	23,1125	23,2003	0,479	0,461882	0,361932
43995	24,566835	23,931352	22,937207	22,488522	22,096122	21,926111	24,1746	22,7787	22,1869	21,904	21,528861	21,307982	20,727501	21,044116	21,7759	21,9841	22,7692	22,2386	-9,999	0,36011	0,443445
43996	24,444926	24,195039	23,536671	23,110412	22,999809	22,810279	24,0994	23,2668	22,9062	22,7119	22,47828	22,775838	22,080946	22,588903	23,0565	23,4326	24,0296	24,1109	-9,999	0,271694	0,291801
43997	23,142345	22,966657	22,634394	22,085897	21,849717	21,812055	22,7305	22,0963	21,6415	21,5133	21,441621	21,221882	21,067777	20,921793	21,1216	21,4194	21,4508	21,5192	0,56	0,497679	0,438088
44000	23,93318	23,825999	23,431503	22,964211	22,741261	22,728218	23,849	23,1385	22,6941	22,6162	22,41702	22,314788	22,22032	21,813385	22,4344	22,8553	22,9988	22,8873	-9,999	0,41375	0,336973
44001	24,483903	24,313343	23,999225	23,564963	23,364583	23,359958	24,3915	23,762	23,3684	23,3114	22,968173	23,645077	22,517926	22,711287	23,1753	23,6562	23,285	23,579	-9,999	0,433903	0,484135
44007	24,176213	24,069184	23,778774	23,533754	22,875653	22,644006	24,0368	23,6408	22,9584	22,5211	22,382437	22,524726	21,275132	23,412813	21,1656	21,4858	21,6258	21,87	-9,999	1,01944	0,903904
44010	24,647607	24,52822	24,094091	23,652884	22,77489	22,369698	24,5397	23,8357	22,848	22,2288	21,606158	21,361544	20,682873	20,433093	19,7785	20,0042	20,3239	20,3672	1,019	1,02329	1,03236
44011	22,924101	22,900711	22,825569	22,779093	22,247544	22,133779	22,9746	22,8235	22,4054	22,1296	21,819144	21,749892	21,366818	21,366284	21,4674	21,8327	22,0792	22,2641	-9,999	0,89196	1,0717
44013	24,895153	23,045224	21,816006	20,680997	20,045284	19,778343	23,0722	21,0087	19,9756	19,5706	19,017173	18,624975	18,519721	18,401434	18,6102	18,9543	19,2346	19,9629	-9,999	0,431522	0,521257
44030	24,552993	24,408679	23,959448	23,656461	23,438954	23,467164	24,5103	23,9096	23,4693	23,4391	23,379052	22,772454	22,562233	99	23,2358	23,5498	23,6264	23,7113	-9,999	0,545366	0,524642
44032	21,357351	20,604559	20,062758	19,848919	19,615267	19,529642	20,3433	19,5509	19,174	19,0247	19,141873	18,942824	18,846114	18,901435	19,1698	19,5513	19,8381	18,6924	-9,999	0,137761	0,0421454
44035	23,325164	23,26106	22,884819	22,596124	21,886209	21,626346	23,0493	22,4686	21,6781	21,3035	20,952047	20,696008	20,228933	20,254646	19,9907	20,3931	20,6579	21,0598	-9,999	0,898576	0,860283
44037	25,174246	24,56189	24,354682	24,299241	24,383328	24,403517	24,8942	24,6621	24,6688	24,6535	25,507834	22,669421	22,904328	25,085103	23,7242	23,6905	23,7527	24,2635	2,233	2,40361	2,52337
44053	24,623365	23,75326	22,75625	21,791225	21,182298	20,843313	23,2145	21,6407	20,707	20,2625	19,906819	19,34658	19,09621	18,966681	18,9754	19,2351	19,5077	19,2222	-9,999	0,622917	0,516542
44054	25,103825	24,851166	24,635808	24,369171	23,845706	23,704783	24,7817	24,4175	23,7947	23,523	23,824402	23,459033	22,634657	22,903002	22,8762	23,3247	23,6041	24,8096	0,85614	0,765094	0,79124
44056	24,318243	24,034846	23,636216	23,106109	22,538815	22,417912	24,0635	23,3199	22,5569	22,3019	21,831224	21,568709	21,287243	21,169504	21,1839	21,588	21,616	21,8213	0,745	0,652825	0,755803
44059	25,204857	25,124078	25,176325	25,00011	24,473502	24,15878	25,045	24,9281	24,4455	23,9696	23,077848	22,927322	23,20626	24,16847	23,1112	23,4028	24,3651	28,7125	-9,999	0,896226	1,3849
44061	23,457439	22,673871	22,220448	22,022407	21,89498	21,826304	22,3927	21,7179													

44088	23,669122	23,56382	23,273235	22,925215	22,37999	22,193088	23,5122	23,0336	22,3726	22,0841	21,800099	21,563244	21,366071	21,264123	21,0851	21,4899	21,5285	21,7935	0,839	0,779078	0,850396
44090	24,411486	24,142417	23,55322	22,955377	21,955642	21,598087	23,9714	23,1192	21,9896	21,4367	20,820649	20,340234	19,928678	19,793956	19,7934	20,2343	20,4559	20,8376	-9,999	0,84531	0,962159
44096	32,562553	27,151606	25,759237	24,505393	23,255443	22,479004	27,3585	24,9374	23,466	22,4179	21,081998	20,650443	20,413186	20,17966	19,8703	20,0766	20,5194	20,9283	-9,999	0,170196	0,288515
44100	24,111102	24,076641	23,864724	23,590938	23,026803	22,930694	23,8874	23,5237	22,8439	22,5976	22,322891	22,465918	22,094105	22,05632	22,0852	22,4968	22,786	23,4685	-9,999	0,946348	0,891822
44102	24,06292	23,809811	23,366673	22,780915	22,12974	21,92619	23,5926	22,8258	21,95	21,6408	21,204804	20,807225	20,630552	20,57127	20,2476	20,5688	20,6052	21,0839	-9,999	0,816488	0,773012
44109	25,121503	24,202223	23,226228	22,315534	21,871386	21,629726	24,6629	22,8443	21,925	21,5468	21,034758	20,766456	20,310584	20,382471	20,5306	20,7479	20,8921	21,1043	-9,999	0,548056	0,494854
44120	25,176138	24,771724	24,031793	23,293532	22,169347	21,765742	24,8081	23,5992	22,2905	21,6687	20,924928	20,478136	20,083283	20,033361	19,991	20,4118	20,7023	21,0568	-9,999	0,900413	0,934155
44147	24,554667	24,359361	24,259539	23,998047	23,650975	23,14061	24,3189	24,0449	23,6786	23,0979	22,985486	22,454678	22,400901	22,115757	21,9764	22,1084	22,871	22,7317	-9,999	1,16129	1,17884
44149	24,072896	24,019743	23,439708	22,968772	22,1548	21,76649	23,8832	23,0189	22,1353	21,511	20,99583	20,550123	20,184056	20,093587	19,8574	20,2193	20,3904	20,4963	-9,999	0,93538	0,883262
44150	24,242386	24,090698	23,590706	23,267637	22,474074	22,217473	24,2635	23,515	22,5895	22,2231	21,42406	21,206569	20,872737	20,882304	20,7639	21,0341	21,2398	21,3475	-9,999	0,951309	0,764627
44155	25,348026	24,887153	24,136138	23,387973	22,974483	22,713408	25,1788	23,8828	23,1185	22,7843	21,887739	21,322427	21,323041	21,218963	21,4461	21,6486	21,859	21,6287	-9,999	0,697169	0,476224
44158	27,56336	25,877911	24,995315	24,855436	24,691569	24,654313	26,1517	24,9425	24,7441	24,6791	99	23,520129	26,240095	24,752274	23,713	23,7658	24,5498	24,1726	-9,999	3,14627	0,849938
44160	24,13101	24,054661	23,889542	23,626862	23,329676	22,754895	23,9496	23,6012	23,2286	22,5759	22,248018	21,954068	21,355643	21,625151	21,1508	21,2537	21,617	21,9217	-9,999	1,29322	1,42675
44168	23,465011	23,468742	23,398513	23,341193	22,921996	22,700486	23,453	23,3268	22,7909	22,6088	22,204197	22,295743	22,079615	22,070362	22,1136	22,5205	22,7245	23,6159	-9,999	0,989641	0,936832
44171	25,072023	24,751411	24,469166	24,083454	23,607257	23,335356	25,3377	24,842	24,2454	23,9212	23,038381	22,550461	21,975713	22,61159	22,8214	23,1141	23,8658	25,8081	0,25277	0,716025	0,820582
44174	24,418282	24,421968	24,258764	24,058019	23,318897	23,103976	24,2801	23,9955	23,3464	22,9371	22,832927	22,680165	21,701331	22,490742	22,2865	22,6704	22,8126	23,9517	-9,999	0,952262	0,87978
44176	23,289037	22,85187	22,074334	21,503428	21,198337	21,015862	22,6479	21,5144	20,9593	20,6849	20,502182	20,192743	20,10055	19,96577	20,4766	20,6727	21,1224	20,495	-9,999	0,372373	0,334722
44182	25,045141	24,890686	24,606352	24,121279	24,005752	23,978733	24,954	24,4279	23,9944	23,9772	24,04347	25,522428	22,396807	22,95976	23,8837	24,3811	24,1383	26,7903	-9,999	1,09918	0,874596
44194	26,489588	25,270636	24,023289	22,717374	21,460878	20,741692	24,8289	22,894	21,4021	20,4534	19,853893	19,33256	18,958088	18,81213	18,2962	18,6635	19,0828	19,549	-9,999	1,00951	0,823276
44199	24,7152	24,59194	24,282911	23,914212	23,453547	23,178218	24,0591	24,0222	23,4053	23,1849	22,550606	22,504749	21,910297	22,326302	22,4106	22,8698	22,4697	23,5906	-9,999	0,712044	0,823136
44203	25,846935	25,097569	24,874071	24,894347	24,847778	25,049653	25,6547	25,0149	24,8505	24,9369	23,462599	23,295945	23,755959	22,57532	22,875	22,865	23,469	23,7369	-9,999	2,00023	2,01398
44211	24,855946	24,555528	23,861387	23,613059	23,57173	23,505434	24,6776	23,7371	23,5295	23,4976	23,433977	24,493696	23,786733	24,684183	23,765	24,1594	24,184	25,8033	-9,999	0,166714	0,326376
44213	23,840537	23,80282	23,761011	23,643029	23,113786	22,953435	23,8993	23,778	23,2352	23,0305	22,596015	22,680996	22,773125	23,291485	22,3265	22,6009	23,377	23,3851	-9,999	0,95154	0,910803
44215	25,239826	24,961975	24,66349	24,069086	23,8514	23,680291	25,1197	24,3802	23,7976	23,728	23,407621	22,748994	22,403464	23,087088	23,7723	24,04	24,4512	24,8908	-9,999	0,869428	0,695059
44216	24,961592	23,81719	22,787992	21,8179	21,229897	20,925071	23,9832	22,1667	21,2321	20,7865	20,140138	19,637689	19,457127	19,372866	19,7118	19,9787	20,2277	19,8303	0,475	0,476602	0,451414
44231	24,062741	23,95008	23,797647	23,476697	23,048174	22,787434	23,986	23,6101	22,9491	22,7466	22,425246	22,833027	22,36595	22,073203	22,4286	22,8661	23,5686	24,2729	0,785	0,911172	0,852846
44234	26,504079	25,836797	24,464527	23,488222	22,440097	22,121848	26,7286	24,0385	22,6222	22,1578	21,320529	20,780202	20,66162	20,623644	20,7446	21,2812	21,661	22,0921	-9,999	0,635239	0,621587
44235	24,588697	23,839675	22,84144	22,467317	22,1963	22,027076	23,9545	22,6751	22,2137	21,9964	21,715515	21,3773	21,169711	21,178419	22,0556	22,3511	23,1922	22,8438	0,32	0,22335	0,409927
44242	23,127727	23,001625	22,613072	22,486614	22,021689	22,204237	23,0976	22,5875	22,0572	22,1774	21,968222	21,870048	21,800621	21,675289	21,9968	22,2273	22,6601	22,3943	-9,999	0,455007	0,578689
44248	23,801293	23,723212	23,27216	22,932204	22,202657	21,871411	22,414	22,9101	22,0012	21,5964	21,339221	20,99899	20,465887	20,32602	20,1701	20,5251	20,8281	20,9323	-9,999	0,861672	0,948793
44251	23,741631	23,631882	23,408677	22,894703	22,36467	22,237019	23,4186	22,9012	22,13	21,9118	21,819704	21,484208	21,38378	21,341327	21,408	21,8853	22,3073	22,7383	-9,999	0,82999	0,812467
44259	24,670415	24,556392	24,412882	24,159757	23,756693	23,572556	24,5818	24,3869	23,7118	23,4911	22,563974	22,782432	23,545085	23,165876	22,4511	22,7968	23,421	22,9071	-9,999	1,0627	1,25137
44265	24,353343	24,125454	23,837199	23,583393	23,043311	22,831041	24,0926	23,6412	22,9466	22,6131	22,206712	22,065472	21,787859	21,845211	21,704	22,0623	22,3599	22,7625	-9,999	0,98246	1,00098
44270	24,520211	24,411201	24,098457	23,578674	22,897728	22,682401	24,6582	23,9894	23,0773	22,8355	22,3738	21,909532	21,187785	21,407168	21,5909	21,8918	22,3667	23,8738	0,8002	0,627128	0,694383
44275	25,226194	24,662651	24,490606	24,479748	24,282332	24,334253	28,6006	27,6145	27,7753	27,1009	23,201006	22,905559	23,298584	22,873267	22,2309	22,3774	22,5293	22,9439	-9,999	3,00375	1,93244
44277	27,252485	25,878373	24,583598	23,562427	22,372881	21,713603	26,0426	24,1148	22,5698	21,6779	20,676507	20,217617	20,048743	19,808082	19,4186	19,7879	20,144	20,5263	-9,999	0,957647	0,951422
44281	25,117682	24,708534	23,934203	23,640978	23,464879	23,319522	24,8508	23,8467	23,4996	23,3612	23,292804	24,489517	22,616562	22,184456	23,0655	23,4899	22,5257	23,9824	-9,999	0,305632	0,280184
44282	23,509377	23,307066	22,636623	22,406507	22,343193	22,227828	23,1482	22,252	22,0377	21,8875	21,952957	21,685976	21,277809	21,579169	21,9352	22,2514	22,0286	23,5557	-9,999	0,265437	0,176786
44285	23,74255	23,67609	23,556934	23,405681	22,824174	22,607928	23,7793	23,5538	22,9719	22,7421	22,037424	21,954881	22,423479	21,890028	21,8851	22,2905	22,5224	22,6383	-9,999	0,825802	0,794037
44286	26,114392	25,91465	24,573407	23,656948	22,398132	21,915892	99	24,0996	22,5543	21,9066	21,194668	20,908281	20,477435	20,4945	19,9916	19,7031	19,2023	18,6955	-9,999	1,68911	1,66513
44304	24,065348	23,987	23,639604	23,356469	22,515398	22,303795	24,0614	23,5234	22,664	22,299	21,479789	21,303483	21,203797	21,102378	20,9696	21,3599	21,4528	21,9515	-9,999	0,873386	0,839928
44307	24,750338	24,547353	23,98162	23,545757	23,339736	23,132184	24,614	23,7595	23,3684	23,1139	22,482916	22,739129	22,311399	22,508035	23,022	23,215	23,9669	23,5948	-9,999	0,455315	0,445244
44310	24,229796	24,227189	23,934216	23,501592	22,989507	22,799573	24,1096	23,6289	22,896	22,6847	23,014871	22,832708	21,7218	21,678833	22,1226	22,5865	22,9633	99	-9,999	0,853199	0,660242
44323	26,756837	26,295374	26,061641	24,789117	23,644559	22,922184	26,5274	25,3154	23,7631	22,7801	21,61156										

44374	24,927849	24,685296	24,429523	23,896666	23,165747	22,477467	24,8451	24,4198	23,4342	22,4654	21,287568	20,884992	20,612905	20,547365	19,8174	20,0246	20,503	20,6923	-9,999	1,34446	2,01101
44375	22,993535	22,841808	22,347648	21,894561	21,737197	21,603883	22,662	21,8954	21,4968	21,3573	21,335592	21,02591	20,855359	20,879091	21,5701	21,8031	22,2469	22,1101	-9,999	0,309583	0,313881
44377	23,429599	23,073296	22,269058	21,912197	21,682679	21,537279	22,8052	21,8059	21,4487	21,1885	21,07042	20,860879	20,838101	20,713606	21,2202	21,4671	21,8864	21,4505	-9,999	0,252735	0,221158
44386	25,539364	25,091711	24,432054	23,866439	22,913139	22,528449	25,1332	24,1365	22,9763	22,4966	21,625612	21,618362	21,469671	20,664546	20,4267	20,8086	21,0096	20,7583	-9,999	0,811431	0,851303
44388	26,089991	25,620271	24,265368	23,341839	22,225955	21,832364	25,3927	23,5002	22,0028	21,4221	20,83693	20,400196	20,083334	-99	19,7535	20,2321	20,5113	20,8295	-9,999	0,857814	0,89695
44390	24,97485	24,943124	24,301137	23,729901	22,808899	22,433137	24,6287	23,8209	22,7128	22,202	21,439952	21,034429	20,620046	20,436918	20,0773	20,423	20,5683	20,9007	0,912	0,824797	0,833465
44391	24,255288	24,200184	24,08576	23,896398	23,585068	23,218211	24,2562	24,0338	23,6333	23,2873	23,542424	23,575009	23,514408	23,13148	21,9331	22,0675	22,6253	22,3523	1,2241	1,42532	0,961144
44394	24,51782	24,025722	23,270899	22,824499	22,479216	22,27372	24,0389	23,1858	22,5937	22,2999	21,553953	21,294163	20,672414	21,013461	21,1356	21,2992	21,53	20,77	-9,999	0,718294	0,528165
44403	26,953995	26,022252	24,804071	23,616835	22,747432	22,353039	26,1664	24,0425	22,7605	22,2797	21,384048	20,981728	20,439901	20,469221	20,5736	21,0051	21,1558	21,2161	0,634	0,755186	0,623925
44409	24,759099	24,142198	23,923954	23,952061	23,844793	23,859779	24,3832	23,9998	23,9098	23,8048	22,800284	22,593122	23,116447	22,543005	22,2715	22,3496	22,4088	23,0679	-9,999	2,50199	2,16572
44411	25,661311	25,612963	25,539767	25,077016	24,503385	24,34495	25,3568	25,169	24,4791	24,2639	99	99	23,857414	99	23,0535	23,2529	23,2197	24,284	-9,999	2,81682	-1,306
44418	24,573998	24,447661	23,971224	23,628437	23,45774	23,375985	24,5586	23,915	23,5082	23,3977	22,816822	22,510518	23,512439	22,626566	23,2901	23,5091	24,1377	23,9386	0,4845	0,532681	0,607896
44428	25,275092	23,512858	22,298085	21,211044	20,620402	20,3359	23,7513	21,6308	20,6438	20,2425	19,568925	19,166183	18,997175	19,989131	19,4077	19,7288	20,0783	20,7011	0,4547	0,435961	0,406556
44436	23,609964	23,143826	22,583285	21,769044	21,154311	20,914432	23,0914	21,9893	21,0755	20,7086	20,178169	19,701545	19,606822	19,399611	19,4959	19,9561	19,9657	20,3588	0,642	0,59384	0,698875
44444	24,554587	24,462234	24,337514	24,040078	23,425018	22,840189	24,4884	24,3606	24,088	23,5139	21,811363	21,415597	21,4517	21,060164	20,186	20,3822	20,6869	21,0581	1,231	1,13676	0,98409
44445	24,424854	24,37179	24,228626	24,037212	23,37942	23,197633	24,4704	24,0955	23,3974	23,0328	22,647937	23,527579	22,483353	22,450499	22,4563	22,9024	22,9679	23,3987	-9,999	1,01481	0,928613
44446	24,974682	23,736086	22,532439	21,406993	20,718556	20,408403	23,0667	21,2722	20,2555	19,8462	19,629564	19,187464	19,101895	19,048292	18,9497	19,3347	19,5839	20,1322	-9,999	0,55242	0,506003
44453	24,178177	24,112592	23,770082	23,537263	23,308855	23,325257	24,251	23,7142	23,3628	23,3313	22,928768	22,798256	22,682081	22,943529	23,0075	23,3585	23,8954	24,2986	-9,999	0,524738	0,657327
44455	24,211247	23,971701	23,899074	23,801592	23,565522	23,343656	24,02	23,8312	23,5599	23,2836	22,673755	22,30091	22,59458	23,489015	21,7575	21,7074	21,8726	22,1258	-9,999	1,86479	1,58047
44458	25,259141	24,607847	24,243371	23,80723	23,09063	22,633502	24,4883	23,9855	23,1841	22,522	20,968154	20,383104	20,06833	-99	19,2003	19,0652	19,2851	19,5671	-9,999	1,71065	1,32417
44466	26,148548	24,746046	23,780988	22,787742	22,283263	22,025351	24,9435	23,2296	22,3285	21,9598	21,249335	20,991078	20,886871	-99	21,2949	21,6415	21,9025	22,8775	-9,999	0,57691	0,572205
44482	25,07584	24,643787	24,005101	23,165862	22,138209	21,508059	24,2817	23,3792	22,13	21,2602	20,399407	19,941108	19,514268	-99	18,9619	19,2716	19,6266	19,9278	1,0225	1,03393	1,12694
44492	25,105047	24,876224	24,656548	24,342839	23,537165	23,175457	24,931	24,5467	23,8025	23,505	22,599103	22,856673	21,709681	21,987855	21,4497	21,8304	22,1203	22,7826	-9,999	1,07068	0,804813
44502	22,756684	22,412267	21,645337	21,388279	21,215624	21,080946	99	21,4198	21,1097	20,9214	20,811108	20,575117	20,218452	-99	21,0075	21,238	21,7105	20,9003	-9,999	0,55531	0,41463
44506	25,339448	24,604941	24,427503	24,344543	24,266009	24,370137	24,7509	24,3417	24,1036	24,2293	23,253627	24,393479	26,986603	23,017792	25,5298	25,4852	99	23,8836	-9,999	1,73215	1,84179
44517	23,744658	23,720114	23,636017	23,51245	23,005242	22,906607	23,7296	23,5466	22,9123	22,7168	22,411947	22,299994	22,541944	-99	22,5352	22,9602	22,8199	23,5798	0,9114	0,953394	0,956424
44524	26,611795	25,682184	23,79067	22,650991	21,34717	20,833077	25,3931	23,1169	21,5111	20,7359	19,960887	19,460647	19,165916	-99	18,8257	19,2771	19,5258	20,1109	0,8498	0,817919	0,84088
44559	99	28,067337	27,247814	25,890919	24,729703	24,663409	27,1281	26,5572	25,1505	24,7881	99	24,194357	99	-99	23,1433	23,6803	24,9986	24,2418	1,3846	1,38535	1,38921
44570	23,733483	23,275483	22,818971	22,761956	22,703829	22,614945	23,076	22,5646	22,3931	22,3354	22,282382	21,918471	21,756211	-99	22,8963	23,3764	99	23,983	-9,999	0,190667	0,173315
44577	21,173895	20,417223	19,818773	19,522909	19,174486	19,078444	99	20,4283	19,9389	19,8205	18,493508	18,211607	18,194975	-99	18,6163	18,9919	19,0101	17,0493	-9,999	2,56071	-0,472584
44581	26,041866	24,435476	23,303433	22,242867	21,544738	21,300031	24,6102	22,6726	21,6058	21,2211	20,630566	20,28875	20,121124	20,005151	20,3507	20,8045	21,0443	21,6812	-9,999	0,520283	0,437923
44587	26,90536	25,964181	25,024827	24,261971	23,135207	22,769556	26,5176	24,7256	23,3134	22,728	21,927239	21,3866	21,255739	-99	21,422	21,8826	22,2584	22,8479	-9,999	0,636315	0,976864
44592	24,862855	24,472871	23,97265	23,372641	22,983488	22,887761	24,4541	23,5556	22,9455	22,7402	22,480572	22,066617	21,926041	21,842134	22,161	22,4476	22,9301	23,0082	0,5593	0,548904	0,59102
44599	25,578703	25,15722	24,656481	24,05033	23,833575	23,686822	25,3423	24,3667	23,7705	23,505	22,653727	22,39799	22,993629	-99	23,4324	23,8225	23,9586	27,0336	-9,999	0,524216	0,570274
44628	23,961849	23,798133	23,475057	22,939981	22,657742	22,603801	23,7526	23,0786	22,5464	22,433	22,135169	21,762306	21,797561	21,932743	21,8743	22,2503	22,5297	23,1174	-9,999	0,500029	0,531752
44640	24,687982	24,491602	24,404802	24,300469	23,862276	23,740413	24,6968	24,561	24,1304	23,8526	23,57518	23,667814	24,146746	22,841353	22,9981	23,3013	23,5322	24,4246	-9,999	1,2336	1,61349
44645	23,779615	23,329093	22,686214	22,062823	21,704038	21,48646	23,4484	22,3585	21,7312	21,4277	20,840705	20,536038	20,32686	20,378026	20,8265	21,0191	21,1821	20,6091	0,4797	0,487026	0,565031
44667	23,098997	22,67227	21,800659	21,391043	21,149687	20,904561	22,2315	21,1653	20,7469	20,4815	20,391034	20,209567	19,832229	-99	20,1744	20,3261	20,6163	19,9849	-9,999	0,308386	0,192878
44684	24,340947	24,133543	23,595733	22,921875	22,448041	24,0453	23,1056	22,4386	22,2559	21,844686	21,53392	21,974845	21,385655	21,6041	21,6347	21,5334	21,946	-9,999	0,5252	0,56283	
44690	23,827284	23,677364	23,571673	23,388028	23,071248	22,512668	23,7072	23,4774	23,1342	22,4882	22,029797	21,80695	22,199035	-99	21,6291	21,8769	22,6575	23,3714	1,2186	1,20017	1,46415
44697	23,797118	23,6373	23,30328	22,863212	22,390766	22,185177	23,8533	23,3341	22,6009	22,3396	21,7966	21,733129	21,248251	-99	21,7789	22,2466	22,475	22,6927	-9,999	0,777532	0,756583
44698	24,960714	24,806549	24,562581	24,014526	23,766696	23,74728	25,7247	25,1298	24,6199	24,5073	23,310823	23,434648	23,604751	23,168103	23,5759	23,6606	23,4412	23,483	-9,999	1,50667	1,33796
44706	25,843568	25,306663	24,851015	24,358182	22,96824	25,4779	24,5751	23,7072	22,9654	22,102097	21,733138	21,190897	21,360884	20,873	21,0596	21,3309	21,2848	-9,999	0,927216	1,1175	
44712	25,658375	25,348689	24,745426	23,819866	22,684455	22,061169	25,2944	24,098	22,7761	21,9736	22,162219	20,713429	20,429702	20,478351	20,1965	20,5986	21,0288	21,5295	-9,999	1,19278	1,0774
44720	24,923824	24,640																			

44754	23,667962	23,481144	23,246271	22,605931	22,260752	22,178962	23,5599	22,9131	22,3204	22,2084	21,902973	21,79121	21,11534	22,186771	21,5565	21,9327	21,5676	21,9686	-9,999	0,522972	0,688731
44762	25,570468	25,328912	24,828956	24,344844	24,066702	24,028308	25,3093	24,5694	24,0955	24,043	24,500369	24,550711	23,143027	22,855441	24,4419	24,6185	99	25,3142	-9,999	1,28842	0,728086
44772	24,30372	24,070395	23,407437	23,044824	22,9083	22,764657	23,9371	23,07	22,7459	22,5566	22,755306	22,42227	21,604417	21,830921	22,3104	22,6471	22,1908	22,4555	-9,999	0,369452	0,239951
44773	25,639835	25,308049	24,680052	23,971408	22,93969	22,374767	24,4535	23,9067	22,8122	22,0317	21,202563	20,801304	20,289402	20,254909	19,5035	19,7513	20,0396	20,006	1,0193	1,0063	0,988405
44775	27,645576	26,355616	25,220256	24,109645	22,991359	22,293413	26,8725	24,842	23,3038	22,3485	21,195381	20,808884	20,231598	20,423255	20,1231	20,4381	20,8241	21,0672	-9,999	1,10948	1,35034
44781	24,243331	23,905571	22,128509	21,204076	20,911224	23,6067	22,2949	21,1085	20,6718	21,054049	19,58038	19,496711	19,390584	19,3043	19,818	20,0333	20,6621	-9,999	0,549434	0,598943	
44788	24,554416	24,416291	24,04159	23,427342	23,15283	23,086759	24,4208	23,6059	23,0004	22,9374	22,458469	22,115509	22,810672	22,928056	22,522	22,6719	22,4785	23,2904	0,5564	0,527035	0,548544
44818	24,967097	24,853532	24,746632	24,346195	23,807854	24,000293	25,0027	24,69	24,1027	23,8009	23,205104	23,276145	23,172424	23,709068	24,2936	24,5489	24,1443	24,5812	-9,999	1,66188	1,08889
44819	24,78042	24,506078	23,806968	23,568273	23,416329	23,224156	24,6691	23,6487	23,3494	23,1692	23,105705	22,776148	22,929906	23,503662	22,6436	22,4654	21,9323	21,9548	0,3211	0,48701	0,324394
44853	25,063693	24,635076	23,820899	23,113445	22,061372	21,679538	24,571	23,3389	22,0474	21,4471	20,640327	20,150739	19,945888	19,718826	19,3965	19,8148	19,9464	20,3045	0,851	0,896821	0,90419
44859	22,350608	21,586612	21,181044	20,983874	20,874346	20,777075	21,5867	20,9626	20,7006	20,5849	20,405696	20,287185	20,173026	20,330862	21,0416	21,5158	21,9	21,5178	-9,999	-0,0658869	0,267961
44861	24,006242	23,998733	23,790503	23,473361	22,902977	22,755471	23,8361	23,5038	22,7836	22,6089	22,258114	22,499612	22,076129	21,650709	22,2143	22,6798	23,0093	22,9196	-9,999	0,878389	0,76835
44865	23,877164	23,710618	23,360491	22,946713	22,236497	22,00732	23,5591	23,023	22,1784	21,8325	21,437454	21,228332	21,610742	20,864067	20,4414	20,8522	20,7833	21,2621	-9,999	0,868621	0,932278
44867	24,901779	24,483777	23,730841	23,370441	22,967178	23,065732	24,522	23,4451	23,0638	22,8593	23,400044	23,536177	22,900196	-99	23,3936	23,6966	24,0867	26,5358	-9,999	0,153204	0,220336
44894	23,992288	23,684988	23,127809	22,548477	22,155095	21,973496	24,1469	23,2567	22,752	22,5718	21,382103	21,040225	20,751161	20,645957	20,8479	21,2557	21,5008	21,6497	-9,999	0,840774	0,305881
44900	99	26,633819	25,229613	25,23225	25,112088	24,946019	26,8333	25,371	25,2241	25,1375	23,362433	23,705286	22,902644	22,120188	22,5466	22,2451	22,1153	21,6454	-9,999	0,543486	3,23225
44911	23,377252	22,476738	21,859764	21,60446	21,364077	21,248552	22,5557	21,6599	21,2979	21,1168	20,694262	20,570483	20,443135	20,688915	21,4063	21,8005	22,3351	21,7279	0,104	0,114652	0,47991
44924	28,259976	27,115332	27,435821	26,106287	24,90491	24,029319	27,6874	26,5154	24,9877	24,0395	22,744931	22,054123	22,35911	22,218628	21,4865	21,7262	22,1671	22,9752	-9,999	1,37668	-2,10651
44926	23,620061	23,609349	23,431286	23,209519	22,572647	22,323803	24,5912	23,8754	22,9607	22,3823	21,624047	21,526711	21,080939	21,144973	20,722	21,0522	21,4195	21,3668	-9,999	1,12856	1,1129
44927	23,48668	23,217832	22,5936	22,104171	21,241912	20,94291	23,0258	22,1455	21,1336	20,6829	20,025798	19,749481	19,556622	19,373278	19,1073	19,5032	19,6086	19,8244	-9,999	0,809487	0,843346
44935	27,663448	26,176528	24,696489	23,393327	22,580985	22,225991	26,2568	23,9225	22,6252	22,1802	21,423	20,873459	20,564363	-99	20,7614	21,2025	21,3121	21,1962	0,6555	0,63286	0,641808
44994	23,469156	23,320688	22,907177	22,414202	22,204679	22,170092	23,2828	22,5446	22,0826	21,9425	21,517933	21,448805	21,44328	21,04242	21,7543	21,9918	22,3756	22,1458	-9,999	0,474142	0,457404
44995	23,990867	24,01071	23,781559	23,563696	22,9074	22,71132	23,9786	23,6439	22,933	22,5402	22,501844	22,195194	21,797896	21,490512	21,8684	22,2442	22,4499	22,6007	-9,999	1,04418	0,94071
45014	23,657336	23,4214	22,983633	22,449123	21,736677	21,507451	22,9176	22,3637	21,4614	21,1743	20,720799	20,477306	20,187457	20,274891	19,7594	20,2046	20,2945	20,6395	-9,999	0,778012	0,75099
45021	24,037839	23,947693	23,698953	23,31157	22,799511	22,659754	23,9236	23,4781	22,8246	22,5995	22,240994	22,915751	22,069765	22,486927	21,9347	22,3461	22,4532	22,7668	-9,999	0,799273	0,659238
45045	26,414467	24,893755	23,795029	23,120784	22,482116	22,279114	25,1575	23,4762	22,5851	22,302	21,708882	21,557758	21,676884	22,38652	22,7947	23,1279	23,8709	99	0,312	0,3412	0,48087
45047	23,883427	23,688587	23,370498	22,945005	22,584271	22,57842	24,0802	23,3734	22,8834	22,7793	22,098199	21,90483	21,862342	21,999293	21,845	22,1142	22,262	22,5609	0,5585	0,373409	0,413955
45065	23,784373	23,66357	23,397327	22,918332	22,642364	22,659626	23,6128	23,0657	22,5811	22,5282	22,184674	21,953693	22,016249	22,293114	22,4322	22,9108	23,067	24,3625	-9,999	0,45328	0,466219
45067	24,099869	24,036747	23,950205	23,516631	23,17271	23,149516	24,1106	23,7176	23,2182	23,145	22,544304	22,604355	22,53521	22,357589	22,8165	23,3355	23,2595	24,1909	0,6805	0,663786	0,692314
45078	24,212122	23,83907	23,354978	22,666267	22,279948	22,117342	23,8246	22,8968	22,2048	21,9709	21,438061	21,16804	20,977023	20,723584	20,8268	21,1661	21,1958	21,4416	0,5946	0,581673	0,633566
45085	24,178284	24,104475	23,983994	23,864463	23,24148	23,080526	24,1503	23,8922	23,3675	23,0679	22,385088	22,880719	22,480723	22,694883	22,1464	22,5285	22,41	23,3429	-9,999	0,968643	0,914164
45089	24,040655	23,954833	23,871138	23,674139	23,338636	22,919006	24,13	23,895	23,4188	22,9144	22,524438	22,202236	21,755938	22,368346	21,5627	21,7441	22,0171	22,4491	1,2195	1,31119	1,36936
45120	24,252971	24,134176	23,886154	23,296166	22,912788	22,815509	24,1769	23,541	22,8646	22,7014	22,132939	21,989652	22,000142	-99	22,0736	22,5155	22,5418	23,4231	0,6777	0,694507	0,697084
45142	28,176631	27,16047	26,215634	24,727271	23,569622	22,806904	26,8733	25,2587	23,5813	22,7277	21,615395	21,175889	20,909288	20,718901	20,2254	20,5324	20,9541	21,5473	-9,999	0,929688	0,311917
45146	23,599396	23,465452	23,020792	22,736827	22,594928	22,528323	23,5827	22,9895	22,5893	22,474	22,278229	21,958949	21,442659	-99	21,8636	21,9344	21,8024	22,0247	-9,999	0,449194	0,432241
45153	23,084225	23,020665	22,978958	22,869958	22,522211	22,30231	23,0564	22,9661	22,5059	22,2885	21,914363	21,973587	21,760602	21,732312	21,8477	22,2018	22,5382	22,7992	0,9072	0,915923	1,00566
45155	24,099881	24,004251	23,732545	23,110191	22,650516	22,494428	99	23,1971	22,4007	22,2474	22,109833	21,747045	21,556755	-99	21,7127	22,1622	21,8031	22,714	-9,999	0,374784	1,23097
45156	24,733481	24,45455	23,914034	23,381974	23,191084	23,036591	24,5007	23,5589	23,063	22,9328	22,753706	22,416243	22,035242	22,812859	22,5928	22,8406	22,7219	23,3581	-9,999	0,449416	0,41726
45166	26,704777	25,926214	24,77001	23,585786	22,384776	21,802666	26,2594	24,1285	22,5748	21,8187	20,865356	20,464966	20,233695	-99	19,8923	20,3196	20,6354	21,1638	-9,999	0,908255	0,954576
45196	24,628784	24,485711	24,124767	23,766455	22,901407	22,637677	24,4543	23,9106	22,9786	22,5613	21,95199	21,506608	21,565863	21,439231	21,2233	21,605	21,8806	22,0319	-9,999	0,88822	0,921261
45201	27,283834	25,897667	24,593627	23,631017	22,601688	22,315334	26,4752	24,0888	22,7485	22,3116	21,470501	21,068311	20,723269	20,680488	21,0009	21,499	21,6292	22,5323	-9,999	0,687934	0,589896
45241	22,809371	21,537926	20,194896	19,666245	19,14535	18,964273	21,7283	19,8727	19,1842	18,8566	18,287401	17,966063	17,951656	17,849864	18,6647	18,9776	19,5991	19,9332	-9,999	0,25658	-0,0784423
45264	23,770265	23,380027	22,88819	22,198581	21,825852	21,609933	23,255	22,5644	21,92	21,713	20,946756	20,564063	20,352598	20,257047	19,8306	20,0866	20,1653	20,4574	-9,999	1,17445	0,646645
45270	23,318841	23,274362	23,227964	23,192808	22,529996	22,407298	23,3226	23,1894	22,659	22,3556	22,231285	22,113458	22,160295	22,375218	21,9873	22,4202	22,718	22,			

45289	23,267864	23,207869	23,125871	22,757986	22,29829	22,216685	23,2161	22,8572	22,303	22,1036	21,786527	21,757306	21,844946	21,500631	21,5473	22,0598	22,3795	22,6293	0,797	0,772956	0,840174
45291	24,553121	24,424183	24,163484	23,777633	23,292054	22,759847	24,3055	23,8866	23,2683	22,6368	21,891696	21,506926	21,434987	21,153735	20,859	20,9631	21,4113	21,4683	-9,999	1,14157	1,30832
45294	26,615299	25,225411	24,502655	23,165582	22,094453	21,305352	25,1002	23,5737	22,1862	21,1438	20,265857	19,864997	19,7855	19,603278	18,9644	19,2627	19,7101	20,0675	1,1402	1,09444	1,13736
45298	23,363462	23,392432	23,374968	23,268897	22,852088	22,642973	24,4612	24,1172	23,4918	23,1983	22,460462	22,393812	21,954366	22,566598	21,6084	21,9386	22,71	21,7329	-9,999	0,581974	1,01047
45300	25,105134	24,922484	24,710293	24,099205	23,708533	23,327557	25,7142	24,973	24,049	23,415	22,566146	22,185732	22,235162	21,909476	21,6747	22,0267	22,5507	23,1419	1,101402	1,06375	0,965274
45309	25,94818	25,712416	25,95544	25,705351	25,565466	25,232976	26,1984	26,1883	25,6028	25,2119	99	99	24,098208	99	24,5597	24,4402	23,4614	28,1443	0,8396	0,845366	0,845113
45314	23,501712	22,973896	22,346283	21,588939	21,146853	20,937213	23,0026	21,9367	21,1908	20,8458	20,40575	19,8663	19,805545	-99	20,0087	20,3391	20,4323	20,3627	-9,999	0,550296	0,628457
45355	25,626798	24,635373	23,809997	22,793388	21,996094	21,70205	24,6121	23,0686	21,9254	21,4833	20,936288	20,418374	20,203749	-99	19,832	20,1642	20,0706	20,0762	-9,999	0,764452	0,745287
45393	22,582649	22,494982	22,01254	21,691442	21,574806	21,458396	22,4419	21,7731	21,4293	21,3237	21,303727	21,121081	20,832375	20,828117	21,1263	21,3397	21,5387	21,4107	-9,999	0,403813	0,355752
45424	23,788	23,462181	22,775797	22,4816	22,193477	22,057723	23,6325	22,6396	22,2266	21,973	21,754919	21,469784	21,904407	21,420141	21,8131	22,1678	22,7197	22,322	-9,999	0,436847	0,487477
45426	24,030388	23,634557	23,119331	22,889937	22,671581	22,713355	23,8543	23,1578	22,8436	22,7585	22,369135	21,934183	22,145158	21,805378	23,0937	23,4069	24,8941	23,1833	-9,999	0,333995	0,402619
45469	26,093048	24,357317	22,922524	21,816444	20,958565	20,680036	24,4658	22,2644	21,039	20,611	19,989101	19,484252	19,49232	19,310526	19,5744	20,0308	20,3995	21,0096	-9,999	0,563324	0,32349
45488	24,278257	23,903639	23,25357	22,634868	22,307372	22,157064	23,9471	22,8999	22,2956	22,0367	21,70313	21,462994	21,397612	21,296054	21,704	21,9561	22,3702	22,1318	-9,999	0,516944	0,521361
45543	25,830832	25,392595	24,685128	23,973533	23,478218	23,2722	25,429	24,3397	23,5783	23,2583	22,899197	22,324328	22,773706	23,25709	22,5905	22,8392	22,7282	22,9119	-9,999	0,37609	0,373216
45551	25,790576	25,159863	24,374997	23,733908	22,755357	22,471672	99	23,9788	22,8641	22,3659	21,486629	21,236977	20,718102	20,6462	20,3588	20,7696	20,638	20,9989	-9,999	1,98364	1,69015
45559	25,154551	24,605614	23,97656	23,458144	23,205358	23,050462	24,785	23,6692	23,2054	22,9537	22,454699	22,378083	22,805081	21,8843	22,5296	22,6629	22,98	23,0457	0,4545	0,436344	0,502988
45605	27,09555	25,774853	24,842041	24,573304	24,5276	24,483982	25,9578	24,7085	24,3439	24,2969	23,988429	23,119587	23,081495	23,045761	23,056	22,9587	-99	23,0054	-9,999	2,42316	1,89995
45626	22,613182	21,530924	20,461549	20,032892	19,620797	19,452595	21,4704	20,0199	19,4499	19,156	18,916179	18,61065	18,714902	18,53947	19,1467	19,4928	19,9889	19,8289	-9,999	0,230931	0,037038
45628	24,049543	23,885295	23,403201	22,966455	22,09455	21,905491	23,884	23,1874	22,1888	21,296396	21,060618	20,812544	20,516594	20,5007	20,9564	21,241	21,6377	-9,999	0,780637	0,886259	
45647	23,709354	23,328659	22,906909	22,288153	21,773884	21,681851	23,3244	22,5159	21,7745	21,5599	21,179391	20,771917	20,752738	20,497281	20,6502	21,0523	20,977	21,2595	0,682	0,603512	0,743089
45653	26,047729	24,864696	23,789823	22,763595	22,062851	21,731994	25,0778	23,1913	22,1539	21,665	20,983556	20,369111	20,121507	19,975593	20,2349	20,4583	20,5647	19,8996	-9,999	0,744405	0,535036
45672	24,04401	23,93688	23,653758	23,245059	22,571102	22,413042	23,9541	23,4099	22,5765	22,2983	21,851333	21,463822	21,712707	21,44357	21,3406	21,7902	21,8752	22,3914	-9,999	0,822731	0,882436
45673	24,374519	24,327295	24,067708	23,652876	22,980545	22,822359	24,1864	23,7421	22,8688	22,6696	22,248466	21,824782	21,648435	21,990679	21,9123	22,3556	22,3889	23,087	-9,999	0,902375	0,866691
45695	22,346696	21,79891	20,917517	20,206876	19,758873	19,530665	20,7679	19,6181	19,0022	18,6775	18,934144	18,481498	18,533807	18,282174	18,1288	18,2667	18,5726	17,7899	0,437	0,341257	0,530345
45702	23,024759	22,774941	22,213997	21,651177	21,387002	21,270363	22,5041	21,6507	21,1519	20,9401	20,887687	20,538282	20,526065	20,485065	20,5191	20,7329	20,9946	20,6145	-9,999	0,432132	0,362849
45732	25,832949	25,32602	24,251251	23,381261	22,038866	21,622564	25,2609	23,7323	22,3187	21,5971	20,949531	20,479312	20,441878	20,294051	20,1077	20,4872	20,8386	21,2104	-9,999	0,746687	0,871141
45742	23,930254	23,894897	23,484945	23,157164	22,309484	22,020894	23,5664	22,9772	22,1726	21,6991	21,223197	20,73917	20,537728	20,3356	19,8825	20,2241	20,3615	20,5769	0,9438	0,85921	0,87285
45753	28,024061	25,409383	24,677699	24,158679	23,956301	23,901184	26,3338	24,9809	24,5143	24,4733	23,327001	22,529018	22,557353	21,987201	22,6647	22,5101	-99	22,1968	-9,999	3,44521	3,59466
45784	26,115602	25,155172	23,905258	22,938918	21,776705	21,278645	24,8602	23,4474	22,06	21,2979	20,480318	20,023029	19,917101	19,667568	18,7948	19,24	19,5485	20,043	-9,999	0,86662	0,776155
45786	26,015872	24,738674	23,54517	22,473352	21,80621	21,53548	25,1329	23,0278	21,9907	21,5829	20,783215	20,342079	20,241391	20,130463	20,5082	20,7879	21,1247	21,3337	-9,999	0,518429	0,302903
45805	24,524603	23,926279	23,319138	22,569934	22,211582	22,017728	23,8531	22,7298	22,0659	21,791	21,403006	20,985344	20,804692	20,798947	20,6925	20,9706	21,1487	20,8662	-9,999	0,57164	0,602233
45810	25,849531	25,096873	23,720105	22,72709	21,502407	21,086976	25,1474	23,1787	21,6734	20,9923	20,387129	19,955654	19,762516	19,671942	19,2145	19,6744	19,9792	20,463	-9,999	0,820691	0,843931
45813	24,972424	24,638488	24,197998	23,686417	22,858949	22,639179	24,7918	23,8852	22,9394	22,5626	21,932809	21,695158	21,350962	21,28237	21,1596	21,6277	21,8188	22,1626	-9,999	0,781259	0,797804
45819	25,716694	23,986604	22,751726	21,614491	20,910384	20,627714	24,1238	22,0207	20,9266	20,4984	19,976693	19,565812	19,391577	19,35302	19,2225	19,6092	19,9596	20,6123	-9,999	0,490326	0,422318
45838	23,115251	22,915288	22,369782	22,037934	21,813276	21,698971	22,9781	22,1999	21,7142	21,6357	21,406001	21,204616	21,118581	21,022475	21,5372	21,6979	21,8255	21,5234	-9,999	0,449089	0,482099
45841	25,247352	24,548852	24,00184	23,910827	23,657175	23,704951	24,7658	23,9397	23,6453	23,5721	23,619954	24,948425	22,648931	23,47771	24,4861	24,9111	25,1204	99	-9,999	0,356474	0,836551
45876	22,737332	22,295668	21,790868	21,33016	20,6263	20,49791	22,0985	21,2272	20,5587	20,2531	19,703475	19,437428	19,482938	19,276993	18,839	18,945	19,0214	18,8904	0,679	0,741496	0,531841
45878	24,348533	24,039072	23,581493	22,833215	22,414946	22,212958	24,1312	23,1642	22,4451	22,2277	21,765796	21,446685	21,690833	21,295417	20,8319	21,2037	20,8014	21,4636	-9,999	0,570205	0,586511
45879	23,765962	23,325677	22,738825	22,047728	21,717122	21,545423	23,3208	22,271	21,6514	21,3565	21,093249	20,713276	20,427706	20,355013	20,8167	21,0272	21,3715	20,8209	0,5035	0,499048	0,55076
45891	24,274348	24,091077	23,686069	23,085408	22,832642	24,1133	23,3088	22,821	22,7361	21,851793	21,958683	21,825256	22,354955	22,514	22,7283	22,5294	22,8469	0,5292	0,400552	0,324863	
45930	24,954463	24,516086	23,763385	23,128728	22,129464	21,851151	24,4395	23,2208	22,0187	21,4804	21,017244	20,641974	20,387641	20,237492	19,7968	20,1515	20,3292	20,6289	-9,999	0,939361	0,887011
45931	24,267238	24,312855	24,176585	23,881978	23,517655	23,417466	24,2668	24,081	23,5088	23,2516	23,215554	23,428842	22,588704	22,334916	22,9991	23,5289	23,3994	27,3946	0,8357	0,880421	0,844861
45935	24,194689	24,016487	23,725927	22,930721	22,54829	22,536454	23,9552	23,2672	22,5503	22,4485	22,069194	21,974354	21,447638	21,397917	21,6173	22,0988	21,5369	22,1285	-9,999	0,46345	0,618749
45938	24,352787	24,189403	23,922488	23,298204	22,711359	22,56341	24,2923	23,5857	22,7662	22,5416	22,233895	22,150325	21,592237	22,							

46008	24,016926	23,782764	23,051318	22,257454	21,163042	20,856842	24,8478	23,4965	22,1926	21,6435	20,102516	19,737938	19,672071	19,436495	19,0397	19,4185	19,4672	19,4789	-9,999	1,82502	0,431462
46013	26,363172	24,886384	23,82848	22,828151	22,154347	21,835921	25,0538	23,2776	22,2607	21,7821	21,044438	20,458729	20,44793	20,277798	20,6775	21,0095	21,1701	21,1061	-9,999	0,668185	0,542671
46026	24,117162	24,085294	23,985448	23,451462	23,10998	23,211134	24,209	23,728	23,1959	23,1633	22,847288	23,604839	23,710406	22,543764	22,0299	22,5388	22,4224	23,5729	-9,999	0,745489	0,471187
46032	27,16487	25,845477	24,405306	23,183627	21,77366	21,250019	25,8595	23,613	21,9783	21,0961	20,203676	19,654474	19,537383	19,304304	18,8888	19,3554	19,624	20,151	0,855	0,932741	1,01822
46034	25,905194	24,516509	23,274371	22,231974	21,502904	21,263929	24,6452	22,6874	21,6165	21,2205	20,551968	20,246505	20,126369	20,041643	20,0162	20,4297	20,656	21,3498	-9,999	0,484813	0,336498
46036	24,452399	23,882262	23,242861	22,498269	22,004034	21,797571	23,9936	22,8021	22,0567	21,676	20,792816	20,655458	20,629769	20,5535	20,7522	20,951	20,4224		-9,999	0,662522	0,655099
46038	23,743589	23,59759	23,305764	22,842518	22,28039	22,155479	23,5453	22,9964	22,2704	22,018	21,612761	21,536489	21,63216	21,170981	20,6468	20,9832	20,7783	21,3958	-9,999	0,863748	0,817766
46042	27,694967	25,576397	24,297777	23,289946	22,618506	22,417714	25,7051	23,7997	22,7593	22,3701	21,857043	21,419519	21,370209	21,112941	21,6821	22,0822	22,1879	23,0714	-9,999	0,616044	0,491373
46053	24,528722	24,336522	23,794428	23,295865	22,384838	22,150429	24,366	23,3854	22,3681	21,9624	21,437285	21,189801	20,887037	20,812721	20,7445	21,2101	21,3586	21,9313	0,8526	0,814713	0,830493
46072	25,170701	24,834945	24,592446	23,876745	23,394881	23,285987	25,0154	24,2092	23,4356	23,3047	23,066494	22,835582	22,482469	22,353896	22,5459	22,9388	22,7253	24,6709	-9,999	0,591764	0,606174
46080	23,826936	23,761921	23,447631	22,920968	22,324212	22,206402	23,739	23,1334	22,3798	22,1343	21,74792	21,560261	21,598553	30,426365	21,6908	22,1394	21,9155	22,931	-9,999	0,828468	0,747349
46096	23,735731	23,315293	22,751747	22,22201	21,486586	21,319768	23,3732	22,4433	21,5061	21,2018	20,503129	20,221087	20,019877	19,927014	19,7543	20,1795	20,1165	20,4347	-9,999	0,782484	0,79477
46097	23,894846	23,732965	23,561937	23,258268	22,756543	22,593172	23,8778	23,5073	22,8251	22,5422	21,865851	21,647828	21,419011	21,435111	21,0458	21,0525	21,2031	21,4607	-9,999	1,14878	0,952429
46116	21,412648	21,054463	20,259828	19,837054	19,467148	19,236279	99	19,5341	19,0397	18,699	18,614761	18,243996	18,397531	-99	18,1839	18,1265	18,4134	17,1023	-9,999	1,41236	1,00217
46119	21,833461	21,21442	20,771548	20,598311	20,347525	20,347333	99	20,5135	19,9208	20,0498	19,937529	19,760262	19,865319	-99	19,9467	20,3298	20,6338	19,0732	-9,999	0,651282	0,423512
46126	24,295356	24,036151	23,99839	23,589795	23,260727	22,733845	24,1042	23,7576	23,2541	22,6814	21,941493	21,585665	21,350346	21,303252	21,0824	21,1683	21,4712	21,5698	-9,999	1,25891	1,51243
46138	26,74081	25,913747	24,904723	24,097429	22,911702	22,561591	26,1445	24,4215	22,9575	22,3954	21,667991	21,354785	21,212019	20,877512	20,3026	20,6981	21,0413	21,2888	0,851	0,890029	0,706479
46147	28,564534	27,200774	25,522535	24,489408	23,092315	22,568943	27,227	24,812	23,2619	22,4831	21,299202	20,833862	20,630314	20,423253	20,039	20,4005	20,746	21,2247	-9,999	0,817401	0,436961
46152	25,976169	25,12228	23,81793	22,823074	21,579446	21,240861	25,2864	23,2441	21,7657	21,166	20,484842	20,068509	19,935768	19,867523	19,683	20,1536	20,4746	20,9383	0,8522	0,705317	0,789823
46156	24,334154	23,84325	23,22374	22,997064	22,754688	22,720829	23,9652	23,0799	22,7344	22,6043	22,469253	22,227152	22,264144	22,500226	23,0757	23,4316	24,6889	24,448	-9,999	0,21627	0,277808
46177	20,993143	19,815998	18,8921	-99	17,967008	17,71633	99	18,3392	17,7359	17,3984	17,001955	16,699287	17,09529	-99	17,325	17,7703	18,1693	17,6748	-9,999	-1,02571	-0,849373
46181	23,629946	23,266732	22,570342	21,951196	21,637069	21,47775	22,8835	21,8819	21,3172	21,0753	20,869782	20,487347	20,644886	-99	20,6401	20,7405	20,6991	20,4843	0,4593	0,441591	0,4013
46199	23,551447	23,200756	22,427348	21,998508	21,667451	21,407303	23,2692	22,2126	21,7275	21,3777	20,871518	20,602812	20,505989	20,340675	20,2994	20,3037	20,6196	19,5746	-9,999	0,727337	0,497782
46209	25,681809	25,109631	24,472492	23,687171	23,17641	23,009532	25,2343	24,0965	23,389	23,1592	22,565337	22,981616	21,848778	22,165233	22,7007	23,0576	23,3457	24,0547	-9,999	0,465342	0,455893
46210	27,430331	25,710896	24,066236	22,93448	21,580497	21,103468	25,5722	23,333	21,682	20,9063	20,188829	19,698641	19,607395	19,39442	18,7433	19,2079	19,4675	19,9465	0,848	0,97805	0,992084
46211	23,50791	23,526838	23,21577	22,966424	22,205766	22,070112	23,5243	23,124	22,3139	22,0159	21,588533	21,478405	21,865084	21,242933	20,5808	21,0065	21,2116	21,7025	-9,999	0,926724	0,946101
46224	23,867187	23,383094	23,258203	23,3353	23,154438	23,098966	99	23,4554	23,3649	23,1945	22,971504	22,696633	21,518606	-99	21,5511	21,1994	20,7791	20,6555	-9,999	1,11005	-0,206791
46233	25,311608	24,5942	23,688696	22,738992	21,890776	21,658009	25,4817	23,5551	22,377	22,0015	20,849533	20,57451	20,419069	20,219599	20,2253	20,6644	20,8229	21,1172	-9,999	0,800071	0,226532
46235	24,723409	24,502773	23,870945	23,332517	22,383552	22,116384	24,3611	23,4288	22,2973	21,8489	21,294571	20,938129	20,875038	20,612638	20,3836	20,8391	21,0101	21,37	-9,999	0,837189	0,873697
46245	22,766013	22,347547	21,912299	21,140445	20,661207	20,543408	22,193	21,2686	20,5117	20,2493	19,907059	19,537136	19,561831	19,298421	19,2581	19,6509	19,4701	19,3353	-9,999	0,533763	0,562964
46246	25,087319	24,575929	23,860066	23,350626	22,965504	22,849402	24,6839	23,6118	23,0594	22,2803	22,563153	22,424518	23,10223	22,019723	21,7439	21,9345	21,8097	22,0424	-9,999	0,648584	0,371467
46254	24,771856	24,258095	23,335876	22,620847	21,603434	21,274699	23,9024	22,6903	21,4756	20,9654	20,787776	19,763741	19,521066	19,3178	18,7039	18,9096	18,8076	18,6857	-9,999	0,673084	0,688108
46256	24,877731	24,664576	24,349011	23,728458	23,084262	22,476518	24,311	23,7633	23,019	22,182	21,440589	20,86	20,928816	20,399692	19,9239	20,0462	20,4665	20,5724	1,2411	1,16622	1,25356
46278	24,237896	24,024782	23,520924	22,924779	22,690931	22,562491	23,9123	23,0984	22,5468	22,3488	22,173203	21,953596	21,695112	21,653309	22,1966	22,482	22,9943	22,4145	0,505	0,547395	0,520979
46283	24,241195	23,885257	23,272011	22,617138	22,311118	22,124368	23,7863	22,7816	22,195	21,9389	21,557199	21,127022	21,087272	21,292331	21,3905	21,6358	21,95	21,6403	-9,999	0,504489	0,504133
46286	24,947861	24,306376	23,57945	23,297755	23,035483	22,964583	24,4679	23,3901	22,9795	22,795	22,631754	22,68953	22,905177	22,131601	23,2053	23,6917	24,3891	25,4471	-9,999	0,13746	0,350625
46289	25,103484	24,738329	24,161518	23,749941	22,802661	22,438103	24,9157	23,9989	22,9547	22,4225	21,789805	21,303845	21,097339	20,862847	20,3963	20,7581	21,0082	21,2297	-9,999	0,888426	0,906252
46292	24,252915	24,006456	23,476768	22,979674	22,120254	21,850191	24,0214	23,1945	22,1968	21,743	21,086583	20,844219	20,710477	20,501573	20,2985	20,7136	20,8351	21,2626	-9,999	0,828434	0,890296
46294	24,232448	23,969443	23,334474	22,847162	22,583518	22,502794	23,9359	23,0133	22,5738	22,3793	22,081082	21,59125	21,406027	-99	22,4125	22,608	23,6861	22,8795	-9,999	0,398295	0,361384
46296	24,990629	24,715921	24,471868	23,914558	23,209565	23,132796	24,8539	24,1626	23,2644	23,0789	22,667941	22,393259	22,136664	22,776716	22,8628	22,5994	23,2116	23,1525	-9,999	0,747742	0,773887
46302	24,047603	23,732672	23,012973	22,437259	21,552423	21,328625	23,6781	22,618	21,5616	21,1527	20,4384	20,104191	20,009644	19,724406	19,4099	19,8165	19,74	20,1462	0,8492	0,87867	0,719565
46322	24,438816	24,189647	23,832013	23,438808	22,694063	22,548144	24,2851	23,5796	22,7427	22,4206	21,896217	21,876448	21,612864	21,307082	21,5455	21,9759	22,0661	22,6437	0,847	0,87798	0,838224
46332	24,033116	23,819564	23,341854	22,730286	22,464795	22,423149	23,8522	23,0314	22,4824	22,3489	21,912663	21,547348	21,593768	21,681552	21,3307	21,4366	21,5066	21,3611	-9,999	0,464229	0,47825
46339	23,923231	23,735921	23,176185	22,657192	22,47262	22,367032	23,5672	22,7595	22,3073	22,1095	21,918036	21,664761	21,933007	-9							

46378	26,174541	25,249917	24,454313	23,43084	22,575959	22,350149	25,4238	23,838	22,6974	22,2347	21,508295	21,157328	20,847652	20,519534	20,4459	20,857	20,7886	21,1327	-9,999	0,703196	0,697095
46381	23,681803	23,70379	23,70362	23,433369	23,118713	22,548559	24,318	24,1659	24,2698	23,0943	23,148196	22,736576	22,491573	23,032919	22,9585	23,5851	23,932	24,5669	0,7431	0,678041	0,726843
46382	24,394562	24,26611	23,95701	23,43922	23,186935	23,195476	24,3965	23,6963	23,2319	23,1482	25,117395	99	23,340425	22,104855	23,0007	23,3896	23,8513	26,041	0,5333	0,525725	0,557303
46384	25,053542	24,339756	23,77939	23,51256	23,300385	23,267413	24,4098	23,5868	23,2794	23,1187	22,751664	22,792417	22,860853	23,035847	23,8398	24,2833	99	26,4158	-9,999	0,0872992	0,641551
46396	23,322813	23,235497	23,136713	22,664066	22,358066	22,382157	23,3105	22,8527	22,4012	22,2777	22,149536	22,114861	21,734228	21,668257	21,8379	22,2103	22,3073	22,9644	-9,999	0,578173	0,665418
46399	24,127826	24,150849	24,033771	23,793583	23,558638	23,348927	24,1203	23,9682	23,769	23,3169	22,903736	22,155989	24,202151	22,132718	22,5304	22,7947	23,4535	23,8435	-9,999	0,741651	1,09575
46407	23,396943	23,254744	23,065506	22,427153	22,127936	22,131281	23,1996	22,6088	22,0748	21,9787	21,59321	21,358703	21,400476	21,164232	21,367	21,7269	22,0203	22,0805	-9,999	0,525282	0,621186
46423	24,297722	24,327827	24,212045	23,859687	23,211161	23,0784	24,3405	23,9376	23,21	22,9695	22,5787	22,792325	23,707765	23,894038	22,3924	22,972	23,5476	24,4191	-9,999	0,90403	0,804743
46429	23,809419	23,618659	23,130459	22,475685	22,202191	22,112877	23,4422	22,6242	22,0484	21,8417	21,702883	21,454627	21,194759	21,770963	21,6924	22,03	22,5389	22,485	-9,999	0,54171	0,510933
46433	24,352016	24,098689	23,676012	23,07131	22,69085	22,658497	24,1965	23,3845	22,7639	22,6422	22,098804	21,675422	21,842178	21,810121	22,3643	22,7467	22,6423	23,6117	-9,999	0,47192	0,480825
46450	26,339672	25,598334	25,705	25,420408	24,54753	24,784894	26,0078	25,8321	25,9316	25,9277	23,953327	23,28994	99	24,815819	23,5034	23,6557	23,4228	24,2153	-9,999	2,73192	2,47388
46452	25,790643	25,082019	24,500033	23,664728	23,026604	22,804346	25,0389	24,0074	23,0725	22,73	22,226208	21,644939	21,585631	21,250198	21,2486	21,7028	21,6181	22,4764	0,68	0,67498	0,737239
46455	24,871733	24,864858	24,768854	24,279185	23,861533	23,759645	24,6213	24,4104	23,8005	23,5705	22,842487	22,868976	22,230835	22,725758	23,1889	23,6435	23,5357	23,4992	-9,999	0,525992	0,676946
46456	24,455465	23,988042	23,455831	23,201808	22,898544	22,813122	24,1807	23,4349	23,1061	22,9542	22,417523	22,049288	22,660309	22,720859	23,1078	23,5092	23,476	23,2408	0,221	0,336636	0,422208
46457	23,868188	23,346691	22,473441	21,495645	20,67839	20,419702	23,1846	21,6836	20,544	20,1129	19,623222	19,200027	19,21136	18,946788	18,8588	19,363	19,5025	20,1265	-9,999	0,624527	0,682289
46461	24,98342	24,454467	23,701111	22,8488	22,128212	21,870145	24,3974	23,0689	22,0675	21,683	21,017461	20,503271	20,318217	20,027121	20,0462	20,4711	20,5238	20,7454	-9,999	0,667859	0,643731
46463	24,262098	23,90278	23,365584	22,720175	22,41033	22,252652	24,0344	23,0545	22,4384	22,1554	21,686115	21,210638	21,02365	21,339898	20,886	21,084	21,1815	20,8373	-9,999	0,74328	0,621268
46471	26,021911	25,423993	24,36308	23,212959	21,953163	21,35508	26,2551	23,8392	22,2588	21,3631	20,433405	19,981952	19,834068	19,699495	19,3928	19,8308	20,2113	20,6667	-9,999	1,0414	0,952369
46473	23,852284	23,515391	22,99012	22,288409	21,967866	21,816529	23,2241	22,3123	21,7164	21,4989	21,26781	21,016332	20,729564	20,900962	20,8535	21,1871	21,4672	21,4048	0,5336	0,514533	0,478835
46484	23,782845	23,693122	23,471825	23,071029	22,458632	22,335121	23,7518	23,4042	22,6529	22,3653	21,998661	21,85031	21,536071	21,348328	21,1078	21,4199	21,9529	21,9359	-9,999	0,806604	0,846167
46485	24,106572	23,856858	23,499562	23,054239	22,33959	22,145816	23,9125	23,2815	22,3859	22,069	21,334963	21,149881	20,981853	20,850521	20,6169	21,0347	20,9597	21,5346	-9,999	0,852102	0,91663
46488	27,493932	26,605122	24,821603	23,789198	22,501631	22,154013	26,3445	24,3327	22,6986	22,0737	21,2482	20,775276	20,601689	20,425806	20,1886	20,6881	20,9365	21,4599	-9,999	0,808424	0,831584
46499	32,860389	25,379599	24,472096	24,035707	23,611885	23,371604	26,0455	24,6981	23,9854	23,7712	23,059467	22,331612	22,448446	21,971596	22,1177	21,8176	21,5097	21,1018	3,6523	3,71996	3,70076
46503	24,717985	24,324549	23,676534	23,218755	22,912273	22,696126	24,5432	23,5428	22,9853	22,7347	22,493025	22,108098	21,910945	22,418236	22,0632	22,309	22,8807	21,9079	-9,999	0,503027	0,38073
46511	26,181846	25,471751	23,739431	22,638382	21,259622	20,854287	25,0794	22,95	21,3255	20,6401	19,866203	19,399165	19,37051	19,054365	18,7691	19,295	19,506	20,1212	0,7938	0,746929	0,794324
46523	24,22114	23,766449	23,037701	22,318009	21,901439	21,708588	24,5948	23,4816	22,5732	22,2333	21,132538	20,844875	20,792173	20,632027	20,7477	21,1012	21,4805	21,4026	-9,999	0,631425	0,323513
46548	24,49858	24,411416	24,212214	24,006438	23,197104	23,062036	24,186	23,9414	23,2269	22,781	22,552991	22,544866	21,952746	21,952469	22,006	22,3409	22,5371	23,0557	-9,999	1,03388	1,00952
46552	24,643594	24,419199	24,189476	23,782005	23,095556	22,914792	24,4974	23,9113	23,0952	22,7744	22,281539	22,087821	23,082034	22,034687	21,7703	22,2142	22,4577	23,2389	-9,999	0,886339	0,953403
46576	25,058984	24,661774	24,526925	24,300855	23,74156	23,507788	24,7245	24,4625	23,8823	23,4096	21,86023	21,344597	21,392431	-99	20,7868	20,6449	20,8571	21,1083	-9,999	1,51485	1,40651
46579	25,104492	24,685319	24,398159	23,7172	23,268785	23,139168	24,709	23,9795	23,2493	22,9626	22,632635	22,356165	22,00473	21,657319	21,5166	21,8978	21,8254	22,1178	-9,999	0,965431	0,83394
46586	27,85454	25,969095	25,045757	24,866322	24,71051	24,826801	26,0922	25,1177	24,8667	24,7214	24,344943	23,163066	-99	24,531109	22,8154	22,8937	23,0376	23,0588	-9,999	2,62363	3,28326
46591	24,522824	24,424472	24,406429	23,856871	23,292668	23,091053	24,3078	24,0229	23,7608	23,0245	22,256032	22,355884	22,408777	22,424827	21,8669	22,2016	22,488	22,854	-9,999	0,873668	1,02898
46592	25,400078	24,902013	24,31264	23,299748	22,649891	22,369196	25,4792	23,9378	22,7788	22,3924	21,554084	21,121536	20,960921	20,770822	20,3368	20,7677	20,9566	21,356	0,6415	0,60167	0,686575
46595	25,716711	24,168212	22,624946	21,485837	20,481833	20,187174	24,2834	21,8193	20,441	19,9468	19,350393	18,914215	18,932639	18,656605	18,4756	18,9912	19,1954	19,9086	-9,999	0,573655	0,520622
46602	24,513878	24,406017	24,249852	23,841446	23,134104	22,998585	24,2504	23,9685	23,1194	22,7849	22,534695	22,535409	22,431938	22,325076	22,2412	22,717	24,2761	23,5162	0,8493	1,02008	1,00028
46609	23,289661	22,913908	22,076773	21,670901	21,442587	21,29568	22,6262	21,5695	21,1637	20,9133	20,810127	20,542915	20,597902	20,361553	20,821	21,0348	21,4674	20,8653	-9,999	0,269759	0,21518
46619	26,172944	25,537113	24,704872	23,996258	22,967484	22,611086	25,8582	24,3549	23,1103	22,5059	21,568549	21,157353	20,825693	20,705499	20,3327	20,7336	20,8337	21,3008	0,8495	0,781723	0,845318
46631	25,112604	25,005832	24,872294	24,782834	24,121512	23,944638	25,0145	24,7659	24,2051	23,8785	23,342767	23,829535	23,096502	99	23,0562	23,5176	23,6333	23,9589	-9,999	1,00924	1,16366
46636	24,779414	24,551756	24,45511	24,131247	23,746406	23,341112	24,4142	24,263	23,7617	23,2462	22,159594	21,678531	21,517852	21,452936	21,0749	21,0546	21,3096	21,3258	1,4865	1,32319	1,30309
46642	24,30141	24,335829	23,87627	23,526718	22,70433	22,407832	24,2826	23,6513	22,8731	22,3461	21,665669	21,660237	21,24692	20,985206	20,8763	21,0983	21,4021	21,5944	-9,999	1,02104	0,786522
46647	24,473089	24,296312	23,938614	23,579591	22,853845	22,711342	24,3732	23,7244	22,9391	22,6365	22,159235	21,867111	21,795414	22,099566	21,5144	21,8847	21,9014	22,1514	-9,999	0,804255	0,744406
46649	24,245408	24,269722	24,219898	23,8035	23,46534	23,670799	24,2769	24,0211	23,5681	23,428	23,051821	22,818631	22,905368	22,387188	23,7856	24,1766	99	24,4921	0,6854	0,597097	0,711004
46652	24,292291	24,2085	24,101145	23,837735	23,440656	23,229985	24,2899	24,0149	23,46	23,254	22,694241	23,295805	22,907881	22,435922	22,8752	23,2811	24,5595	25,4202	-9,999	0,949218	0,97856
46660	25,080853	24,782345	24,437858	23,948891	23,530372	23,498499	24,8275	24,2057	23,4949	23,3491	23,14659	23,489853	22								

46736	24,194084	24,009051	23,984226	23,812356	23,573988	23,327851	24,0381	23,8347	23,4998	23,1927	22,613438	22,072544	22,072602	28,619402	22,0189	21,9395	22,0402	22,2361	-9,999	1,67972	1,51937
46748	24,91364	24,523447	23,95368	23,381109	22,573082	22,380568	24,5609	23,6119	22,6002	22,2698	21,588098	21,359859	21,183819	20,978473	20,9858	21,46	21,4255	21,8129	-9,999	0,720798	0,754139
46749	22,310875	22,150027	22,065775	21,868848	21,695716	21,442139	22,467	22,2197	21,9679	21,6154	20,789721	20,604066	20,600787	20,603174	20,0845	20,0415	20,4121	20,3742	-9,999	1,94828	1,61183
46755	26,790144	24,970255	23,557618	22,459114	21,425529	21,132366	25,0928	22,9162	21,519	21,0491	20,263696	19,861848	19,76296	19,60125	19,6444	20,1768	20,4219	21,1273	-9,999	0,748182	0,541021
46763	24,637603	24,474724	24,422556	24,354493	23,67289	23,550983	24,5602	24,4525	23,779	23,5676	22,995553	23,38744	22,977168	22,463883	23,0265	23,4457	23,5342	25,9469	-9,999	1,21355	1,26036
46770	23,538638	23,164304	22,480437	21,672962	20,979422	20,727049	22,845	21,8273	20,9004	20,4399	20,819923	21,143305	19,325017	19,016182	18,9404	19,3906	19,591	19,9869	0,515	0,608683	0,648577
46781	23,40688	22,832227	22,049515	21,717335	21,396176	21,298756	22,9602	21,835	21,3684	21,1543	20,660399	20,401155	20,367542	20,297457	21,0546	21,2034	21,7388	20,4196	0,252	0,271413	0,414862
46784	23,514686	23,229335	22,554978	22,109763	21,866304	21,673724	23,3235	22,3545	21,9003	21,6233	21,257801	20,893251	20,971832	21,154722	21,3058	21,3847	21,9198	20,8283	-9,999	0,436955	0,522443
46793	24,930804	24,48726	23,87737	23,143868	22,812772	22,630459	24,8047	23,7615	23,067	22,8575	22,193565	21,985901	21,896131	21,848501	22,1042	22,465	22,5967	22,4296	-9,999	0,378159	0,341148
46795	25,13677	24,152851	23,078559	22,00808	21,339109	21,029415	23,4863	22,0887	21,087	20,6615	20,128186	19,506032	19,403225	19,227474	19,1686	19,4713	19,5825	19,5822	-9,999	0,593499	0,432954
46810	25,781236	24,830538	24,011351	23,086565	22,496594	22,326978	24,9663	23,4948	22,5962	22,2783	21,687414	21,344201	21,349591	21,213731	21,6559	21,9973	22,3385	22,7803	0,5299	0,666946	0,581531
46812	23,851897	23,337736	22,51988	21,899452	21,552825	21,370012	23,3533	22,1346	21,5031	21,186	20,727931	20,482712	20,430094	20,377932	20,6612	20,8026	21,1426	20,4727	-9,999	0,420799	0,423918
46820	23,886825	23,19955	22,47503	22,133671	21,862667	21,739533	22,9167	21,912	21,4912	21,3008	21,217281	21,073369	21,101533	21,005609	21,5168	21,9071	22,3585	22,0457	-9,999	0,199235	0,324888
46826	23,922566	23,503929	22,868435	22,186683	21,287458	21,074479	23,5142	22,4498	21,3334	20,9438	20,231053	19,850568	19,898561	19,603084	19,3625	19,8633	19,8265	20,2739	0,7803	0,704548	0,814131
46828	23,582713	22,923841	22,459719	22,22752	22,057313	22,005437	22,7892	22,1359	21,8048	21,6805	21,610647	21,632279	21,325215	22,231708	22,0435	22,5073	22,4983	22,5197	-9,999	0,23544	0,334953
46833	24,285351	24,054238	23,728145	23,262374	22,571358	22,429634	24,1937	23,4669	22,6355	22,3167	21,713884	21,447921	21,253123	21,328563	21,2273	21,6402	21,6642	21,8881	0,7975	0,784307	0,860018
46840	20,675017	20,070881	19,64925	19,500275	19,206371	19,242589	20,0172	19,3987	19,1049	19,0028	18,776608	18,597285	18,670901	18,699096	19,0618	19,4452	19,5053	17,4634	-9,999	0,14666	0,180921
46847	24,527244	24,254821	23,515261	23,098244	22,979973	22,821236	24,1116	23,1524	22,7981	22,5461	22,225399	22,308256	22,291327	21,879808	22,1413	22,5576	22,1698	22,5383	-9,999	0,419134	0,366272
46848	24,833168	24,761837	24,690174	24,5272	24,322488	23,863729	25,8571	25,6049	25,3525	24,9774	23,504767	24,16507	23,998444	99	24,158	24,8693	99	25,7647	-9,999	2,9042	0,394282
46864	24,148764	23,918036	23,636028	23,104628	22,573807	22,422184	23,996	23,3842	22,6401	22,4133	21,873139	21,468952	22,167645	21,459702	21,5149	21,9373	22,2607	22,6449	0,7479	0,678711	0,767045
46875	25,363272	23,762806	22,54808	21,432847	20,708686	20,436326	24,0913	21,9103	20,7716	20,3464	19,669912	19,229884	19,202717	19,04667	19,0173	19,4329	19,6298	20,1519	-9,999	0,504022	0,445293
46882	24,052317	24,122304	23,967899	23,863109	23,420438	23,15235	24,1915	23,8294	23,3779	22,9777	21,56947	20,948591	20,802712	20,54293	19,3942	18,9581	18,3585	17,8182	2,005	1,94169	1,33407
46901	24,124058	23,893496	23,696546	23,256475	22,662779	22,471405	25,1564	24,6369	24,0256	23,4826	21,507785	20,954025	20,797852	20,551963	19,5302	19,4705	19,5788	18,8679	0,8461	0,901091	0,885207
46903	21,984853	21,413228	20,904842	20,757539	20,476073	20,492782	21,4772	20,7768	20,4543	20,3606	20,036819	19,921044	19,960646	19,913773	20,5029	20,8264	21,1309	19,7998	0,1565	0,175894	0,364184
46907	22,932545	22,898843	22,793427	22,464939	22,060628	21,946242	22,863	22,5332	21,9856	21,8123	21,465329	21,245637	21,344548	21,50896	21,1998	21,6658	21,6075	22,4173	-9,999	0,791637	0,814236
46909	23,990056	23,505555	22,90793	22,101166	21,697955	21,527165	23,4918	22,3521	21,63	21,3048	20,837103	20,474796	20,433806	20,385372	20,6832	20,9627	21,186	21,1343	-9,999	0,526953	0,563368
46915	24,296219	24,060971	23,81059	23,406091	23,058361	22,8375	24,4044	23,8508	23,2041	23,0405	22,340743	22,040189	22,330227	22,506899	22,3221	22,8086	22,4952	23,3597	-9,999	0,76256	0,736499
46917	26,534087	25,409406	24,317923	23,426057	22,835077	22,560449	25,5536	23,9376	22,9303	22,5151	22,097262	21,80597	21,69438	21,507893	21,3485	21,68	21,5544	20,3039	-9,999	0,58976	0,482457
46920	22,682434	21,988578	21,202975	20,835185	20,415131	20,31057	21,683	20,6319	20,1405	19,9135	19,527909	19,205425	19,247958	19,00665	19,4644	19,671	19,9495	18,1288	-9,999	0,275178	0,187476
46925	24,901899	24,598926	24,394107	23,998059	23,666493	23,648575	24,9051	24,3189	23,7425	23,738	23,040341	22,971219	99	23,716605	23,0642	23,287	23,0818	23,9867	0,597	0,807033	1,08607
46926	24,852051	24,67483	24,128809	23,641755	23,508688	23,465152	24,6096	23,8235	23,4269	23,3257	23,436881	23,320984	22,950409	23,709884	23,5441	23,9684	26,3081	24,7925	-9,999	0,205552	0,197692
46929	24,210975	23,89431	23,815261	23,363704	22,980709	22,430392	23,9159	23,5003	22,968	22,3512	21,649276	21,298582	20,944275	20,948583	20,4265	20,505	20,7352	20,8115	1,381	1,19095	1,42087
46931	24,272324	23,520797	22,621357	21,596266	20,964381	20,680943	23,4935	21,9065	20,9156	20,4881	19,813807	19,288045	19,313783	19,080471	19,2254	19,5363	19,7165	19,9399	-9,999	0,483989	0,50147
46941	24,628857	24,427909	24,363047	23,930838	23,359787	23,157116	24,3565	24,0065	23,3069	23,0479	22,727517	22,718738	22,243012	22,460611	22,2824	22,6284	22,8417	22,8501	0,8181	0,873826	0,9492
46942	26,387318	25,986306	26,069594	25,98706	26,18778	26,205474	25,9881	25,837	25,7514	25,5097	24,025029	23,848985	26,468536	23,167896	23,7684	23,7203	24,0249	23,8043	0,425	0,565465	0,709225
46948	27,903189	25,905831	25,355795	25,276764	25,355134	25,758182	26,467	25,332	25,1465	25,2157	99	25,003496	23,511183	23,144214	22,4029	22,1703	22,1074	21,5256	3,403	3,4079	3,40889
46962	24,322393	24,164985	23,918081	23,46612	22,667295	22,476704	24,2722	23,7215	22,7749	22,4415	21,92401	21,733052	21,610504	21,813754	21,2811	21,7459	21,8602	21,9654	0,8463	0,813746	0,892365
46967	26,165656	25,529224	25,040965	24,258252	23,621573	23,328985	26,0455	24,7103	23,7104	23,287	22,387686	22,0297	21,682148	21,941437	21,6634	22,0146	22,0312	21,9531	-9,999	0,920204	0,538356
46968	24,455238	24,17337	23,975643	23,874104	23,524485	23,314726	24,5601	24,1547	23,755	23,4883	22,567896	22,268437	22,107373	21,763794	21,1569	21,1391	21,0966	21,4387	-9,999	1,77266	1,49394
46970	24,505381	24,425182	24,372472	23,875939	23,339049	23,352986	24,4414	24,0155	23,4153	23,2447	23,189526	24,566695	22,876951	23,256675	22,8747	23,1642	22,8268	24,1347	0,7477	0,733225	0,508088
46980	21,021199	20,264912	19,690705	19,41313	19,063993	19,029273	20,0823	19,291	18,8881	18,7115	18,441657	18,217153	18,522702	18,343991	18,7961	19,205	19,3343	17,4624	-9,999	0,144246	0,107002
46993	24,733916	24,674279	24,425678	23,818119	23,618007	23,667098	24,5976	24,0172	23,5069	23,4908	23,325067	24,010708	99	22,697352	23,6846	24,1702	24,4658	25,7871	0,5849	0,300978	0,227957
46994	25,357702	24,930915	24,723261	24,716739	24,707997	24,541533	25,4357	25,187	24,8701	24,9023	23,999476	23,098752	23,706235	23,629983	22,5423	22,6791	22,3114	22,3151	2,427	2,25801	2,51658
46997	25,223464	24,898778	24,563316	23,927014	23,621848	23,408019	25,0813	24,3718	23,831	23,											

47082	23,0417	22,408991	21,751649	21,511366	21,270279	21,235328	22,2792	21,3403	21,0127	20,8462	20,747235	20,554955	20,59532	20,602711	20,855	21,0977	21,2702	20,8063	-9,999	0,203358	0,166201	
47086	25,739177	25,149166	24,671899	23,7889	23,195169	23,097644	25,0864	24,0983	23,1725	22,8617	22,451473	21,937073	22,265652	22,149423	22,2333	22,7189	22,8052	24,3879	-9,999	0,708924	0,822205	
47089	24,753499	24,060839	23,230731	22,828237	22,493698	22,408301	24,2379	23,0692	22,5876	22,3592	21,941827	21,615189	22,369545	21,443217	22,161	22,4956	22,7167	22,1082	-9,999	0,228722	0,448988	
47104	23,997021	22,928635	21,761387	21,114534	20,617952	20,437811	23,0129	21,327	20,5941	20,2578	19,695359	19,349149	19,410643	19,196264	19,9097	20,1588	20,7166	20,5382	0,286	0,347066	0,301563	
47105	22,923842	22,613824	22,191759	21,480419	21,209183	21,076074	22,5979	21,6954	21,103	20,8761	20,49507	20,155393	20,223353	20,071619	20,2741	20,5467	20,5418	20,3825	-9,999	0,50769	0,505745	
47106	23,920008	23,27016	22,649366	21,839296	21,345107	21,112037	23,299	22,1017	21,3066	20,9346	20,404136	19,878599	19,737438	19,643481	19,7434	20,0343	19,9972	19,8929	-9,999	0,576367	0,639931	
47122	26,083261	24,858954	23,691326	22,626534	21,844975	21,505374	24,9974	22,9928	21,8473	21,36	20,540109	19,978899	19,799542	19,695655	19,5612	19,8977	19,9201	20,0513	0,5565	0,765054	0,538647	
47123	22,537635	22,4142	21,995549	21,728151	21,311769	21,139031	22,7397	21,9443	21,5409	21,2702	20,272186	20,160515	20,243171	20,16098	19,2582	19,2309	19,0501	18,8521	-9,999	1,82847	0,974026	
47125	21,415955	20,237066	19,3151	18,879644	18,437267	18,256698	20,2653	18,9065	18,3612	18,0616	17,678328	17,396995	17,583537	17,641513	18,2214	18,7036	19,1989	19,6716	-9,999	0,174968	-0,0699068	
47129	24,807567	24,398213	23,742572	22,918141	22,093315	21,865633	25,3123	25,1307	24,9202	24,5157	21,018709	20,624698	20,680726	20,480576	20,542	21,0312	21,3413	22,3033	-9,999	0,0174711	0,743909	
47132	25,240203	24,806032	24,259662	23,573964	23,173055	23,047147	24,7457	23,8342	23,1522	22,9426	22,543765	22,163684	21,901589	22,033891	21,9559	22,2569	22,1947	22,468	-9,999	0,594395	0,61228	
47138	25,461709	24,901843	24,793977	24,765773	24,619093	24,581345	25,1912	24,8792	24,6716	24,4669	23,092443	99	23,261646	22,425954	22,8413	22,8655	-99	23,0955	2,237	2,24598	2,20849	
47140	25,05785	24,653771	24,54145	23,968695	23,64949	23,123263	24,7766	24,2969	23,637	23,0453	22,210512	21,714408	21,652162	21,635501	21,1694	21,2652	21,5618	21,7369	1,3141	1,16507	1,32903	
47142	24,618383	24,375025	24,150167	23,867045	23,500762	22,994705	24,3792	23,9846	23,5449	22,8721	22,355722	21,91428	21,870407	21,791446	21,359	21,4765	21,6496	21,8304	-9,999	1,29601	1,35379	
47151	23,155898	22,697262	22,04228	21,386594	21,015123	20,782098	22,7544	21,6556	21,0315	20,677	20,15933	19,795361	19,785775	19,598704	19,9057	20,0042	20,1378	19,3546	-9,999	0,487458	0,50747	
47154	24,679534	24,417133	24,121294	23,493108	22,95272	22,873089	24,4776	23,7614	23,0325	22,8362	22,492769	22,124242	22,258972	21,948999	22,235	22,586	22,6362	23,0497	-9,999	0,680633	0,637158	
47156	24,918396	24,704602	24,189397	23,696784	23,481664	23,351955	24,5855	23,88	23,3704	23,2515	22,97126	23,529619	23,271643	23,211802	22,6587	23,31	24,2742	23,4327	-9,999	0,397965	0,38128	
47165	25,787385	24,171878	22,945278	21,778642	20,996527	20,720516	24,4626	22,2685	21,0908	20,6639	19,905813	19,428751	19,478663	19,26553	19,5428	19,9665	20,2489	20,907	-9,999	0,525706	0,364073	
47170	25,283776	25,183032	25,177374	24,914075	24,664095	24,366208	25,1625	25,1508	24,9603	24,42	99	99	23,947601	99	23,6131	23,9419	99	24,4439	-9,999	2,6278	-1,61297	
47173	23,825824	23,553587	22,863919	22,399953	22,182686	22,068577	23,4274	22,4776	22,0512	21,8159	21,501099	21,291167	21,221176	21,276045	21,3132	21,5203	21,6836	21,61	0,395	0,39253	0,351782	
47186	24,457117	24,239097	23,566739	23,048897	22,518028	22,101851	24,3452	23,3978	23,0108	22,7082	21,216189	20,944926	20,606888	20,704259	19,796	20,0995	20,4705	20,6394	-9,999	0,946773	0,0644757	
47190	25,203324	24,829221	24,638531	24,189009	23,975358	23,861773	26,5063	26,0856	25,9303	26,1738	23,454605	23,218234	22,529212	25,551794	23,22	23,9107	23,8271	23,7728	-9,999	2,62015	2,50141	
47192	24,67165	24,490993	24,366229	24,1988	23,946688	23,425263	24,5814	24,2581	23,9967	23,4019	22,849136	22,242574	22,296485	22,147889	22,057	22,1812	22,4685	23,0388	-9,999	1,31818	1,26813	
47193	99	26,123038	25,218139	25,211732	25,099272	25,065191	26,4778	25,7107	25,519	25,8441	99	99	99	99	99	24,8846	25,6566	24,0826	25,8557	-9,999	1,75776	4,07051
47195	24,470992	24,411907	24,111766	23,790919	23,007757	22,73553	24,2722	23,8867	23,1879	22,6794	21,91834	21,564848	21,830754	21,369351	20,763	21,1718	21,6187	21,7991	-9,999	0,805806	0,96441	
47198	25,726459	25,083566	24,219155	23,599697	23,203328	22,910327	25,2028	23,9594	23,2913	22,9041	22,105445	21,838777	22,377128	21,701945	22,3274	22,4511	23,0481	22,0027	-9,999	0,528639	0,513363	
47214	27,046579	25,648279	25,359378	25,17546	24,999678	24,759638	26,557	25,8659	25,555	25,5181	99	99	99	99	99	23,1005	23,3823	24,0752	-9,999	0,726724	0,547124	
47215	24,561661	24,661338	24,510431	24,119744	23,723042	23,5539	24,6871	24,4888	23,8104	23,6989	23,095945	23,532739	99	22,816592	22,7456	23,1753	22,5832	22,7756	0,83525002	0,828473	0,904166	
47218	24,698984	24,516399	24,068529	23,69992	23,573536	23,37341	24,685	23,8449	23,4599	23,3413	23,009382	23,681232	99	23,565615	23,1708	23,2224	22,919	23,2666	-9,999	0,464323	0,496373	
47220	23,542799	23,260921	22,92798	22,30026	21,799254	21,714472	23,2349	22,4623	21,7198	21,487	21,048179	20,683659	20,855369	20,672854	20,6767	21,1133	21,159	21,4432	0,687	0,666138	0,742262	
47238	23,376825	23,253941	23,16964	22,924044	22,562856	22,213911	23,2306	22,9854	22,5929	22,1095	21,702063	21,060447	21,478873	21,061383	20,8098	20,8544	21,3385	21,1419	1,2959	1,3549	1,20776	
47239	26,020486	25,461646	25,558266	24,846653	24,468414	24,085631	25,6354	25,1822	24,3785	23,8607	22,753199	22,114001	21,905697	22,403437	21,1445	21,0333	21,277	21,3715	-9,999	1,17895	1,024017	
47240	26,281948	25,255288	24,164384	23,174557	22,522091	22,193539	25,4744	23,5774	22,5534	22,0561	21,310754	20,682624	20,675316	20,530106	20,7529	20,9607	21,1113	20,7094	-9,999	0,736059	0,618739	
47246	24,992233	24,785073	24,327114	24,010489	23,163399	22,885285	24,8618	24,1812	23,3298	22,8589	22,202574	21,831173	21,810749	21,548144	21,5202	21,9357	22,0839	22,523	-9,999	0,867675	0,915069	
47253	23,338081	22,622489	21,790205	20,942161	20,403601	20,176185	22,683	21,2603	20,4297	20,0463	19,413983	18,979998	19,075709	18,821047	19,0766	19,3698	19,6858	19,583	-9,999	0,466326	0,422718	
47256	24,796124	24,735662	24,448478	24,179117	23,390005	23,252148	24,7662	24,301	23,4757	23,1671	22,4404	22,009633	22,271786	21,941798	22,2819	22,7919	23,2517	23,5108	-9,999	0,785636	0,842847	
47258	25,976399	25,184066	24,354951	23,618566	23,211306	23,096395	25,4675	24,0377	23,382	23,1374	22,371953	22,271937	21,847074	22,377355	22,4586	22,8849	22,5619	23,0916	-9,999	0,291743	0,442547	
47259	25,002252	23,860584	22,688289	21,789835	21,20467	20,939541	23,8385	22,1844	21,2779	20,8224	20,053625	19,537249	19,531396	19,306885	19,4823	19,6457	19,8561	19,1648	-9,999	0,633912	0,345343	
47261	24,718276	24,610889	24,239683	24,007092	24,016231	23,940534	24,8035	24,1945	24,0621	23,8753	23,303501	23,654721	23,218598	99	23,9533	24,2107	99	99	0,3899	0,638648	1,13129	
47271	24,138084	24,154988	24,025013	23,681667	23,279542	23,116864	24,2948	23,989	23,4009	23,198	22,753721	22,131958	22,136099	22,863325	22,6558	23,0086	23,3905	24,2779	0,758	0,780395	0,763943	
47272	24,056015	23,750086	23,474143	23,081302	22,725316	22,616865	23,9312	23,5029	22,9262	22,6737	22,289406	21,877711	21,588508	21,947005	21,98	22,2102	22,6603	22,6818	-9,999	0,672212	0,717834	
47287	23,242357	22,808877	21,949814	21,543904	21,27799	21,127052	22,549	21,4646	20,9977	20,7543	20,590076	20,394671	20,322452	20,36556	20,7449	20,9876	21,5568	20,7596	-9,999	0,246986	0,231814	
47291	25,063717	24,788313	24,520759	23,966847	23,774926	23,768934	24,8561	24,2116	23,7424	23,6501	23,085477	22,883364	22,497715	22,50391	23,4632	23,8787	23,7378	24,8957	0,5332	0,441422	0,592257	
47295	24,459697	24,366055	24,103741	23,785987	23,055145	22,833408	24,2354	23,7874	22,9444	22,5633	22,445514	22,248997	21,996207	21,900662	21,8001	22,2316	22,4221					

47381	24,852089	24,565748	23,952316	23,38688	23,088445	22,99111	24,9874	23,8805	23,3345	23,1854	22,684133	22,491136	22,589929	22,225514	22,5799	22,931	22,8514	23,3352	0,4851	0,323982	0,306504
47384	23,823583	23,735745	23,504284	22,854962	22,559669	22,532133	23,7218	23,1118	22,4808	22,3893	22,044615	21,775616	21,961648	21,832335	22,0862	22,5205	22,5104	23,0679	-9,999	0,579144	0,610718
47390	25,006603	24,699892	24,163138	23,665983	22,949271	22,732144	24,748	23,9452	23,0026	22,601	22,264975	22,714316	21,559784	21,395334	21,0102	21,389	21,3097	21,8221	-9,999	0,831784	0,744205
47391	24,517683	24,40973	24,013476	23,63627	22,849954	22,548055	24,436	23,8114	22,9508	22,4662	21,959905	21,677239	21,370201	21,325272	21,0383	21,3876	21,5698	22,0427	-9,999	0,936562	0,899019
47394	24,894677	24,351207	23,728697	23,405581	23,323041	23,104042	24,385	23,4001	23,1069	22,8868	22,958164	23,304639	22,202553	22,396493	23,4152	23,7422	23,4455	23,4071	-9,999	0,186215	0,520426
47395	24,474795	23,823615	22,974122	22,211811	21,751147	21,519225	23,8951	22,4714	21,7263	21,3357	20,75235	20,49395	20,12045	19,971241	19,8617	19,8724	20,0549	19,1372	-9,999	0,993688	0,475969
47399	29,858544	25,482837	24,473051	24,126016	24,077827	23,790799	26,552	25,0074	24,6566	24,447	23,479233	22,180578	22,86749	22,624626	21,7717	21,6426	-99	21,5223	-9,999	3,52878	4,36992
47402	21,848109	21,266889	20,64502	20,457887	20,259597	20,230945	20,9154	20,0233	19,7429	19,6346	19,831276	19,675767	19,627568	19,621403	19,9399	20,2504	20,6393	19,2961	-9,999	0,0576977	-0,0432577
47410	25,288302	25,042615	24,557884	23,959958	23,730191	23,738292	25,0451	24,113	23,6124	23,5085	23,934743	23,177982	24,038765	22,98987	23,2547	23,5108	24,0565	99	0,4849	0,12997	0,101473
47414	25,251283	24,996494	24,463448	23,828651	22,999456	22,699548	24,9114	24,0416	22,9735	22,4939	21,791022	21,208666	21,124186	21,597942	20,2985	20,6132	20,5199	20,2661	-9,999	0,696304	0,862101
47419	24,540464	24,492383	24,107742	23,793222	23,805707	23,580188	24,6003	23,9943	23,6306	23,5995	22,987115	22,514474	23,733532	22,777939	23,7965	24,0205	24,3856	99	-9,999	0,584942	0,902803
47421	23,860668	23,581838	22,994578	22,505089	22,176835	22,014712	23,7188	22,8495	22,3056	22,0766	21,495294	21,134592	21,165433	21,093687	21,9873	22,1335	22,4243	21,5376	-9,999	0,585853	0,602831
47422	24,141904	24,166271	24,148774	23,678493	23,318439	23,401603	24,1472	23,7676	23,272	23,1338	23,031026	22,859272	23,750595	24,982354	23,2984	23,5409	23,5605	25,9064	-9,999	0,62009	0,687028
47425	25,792646	23,854223	22,609366	21,428876	20,766288	20,560707	24,1161	21,867	20,7936	20,3872	19,749521	19,306101	19,242717	19,197018	19,5551	19,924	20,2945	21,0106	-9,999	0,487157	0,385083
47431	25,606766	25,084007	24,561953	23,918621	23,62176	23,464747	25,369	24,2777	23,7035	23,4569	22,799333	22,578405	23,349491	23,626387	23,2542	23,5141	25,6355	99	0,474	0,552486	0,515134
47440	24,749594	24,497801	24,276915	23,96419	23,485555	22,880002	24,6759	24,1676	23,4823	22,8788	22,345284	22,329696	21,727722	21,62071	20,4428	20,4671	20,7573	20,4391	-9,999	1,13493	1,37992
47441	25,013304	24,458573	23,701973	22,875168	22,244998	21,893578	24,006	22,9105	22,0415	21,5519	21,080024	20,619403	20,482729	20,361993	20,1083	20,2724	20,5527	20,5535	-9,999	0,752745	0,64804
47444	23,635731	23,282846	22,797878	22,036887	21,459124	21,263723	23,0579	22,115	21,2327	20,9541	20,55732	20,151575	20,196288	19,975568	19,8923	20,3451	20,2974	20,6677	-9,999	0,633311	0,682773
47446	24,796165	24,129827	23,335687	22,566077	22,271048	22,04421	24,3481	22,9145	22,2339	21,9578	21,653243	21,569016	21,19102	21,013093	21,2999	21,4233	21,6672	21,3407	-9,999	0,436628	0,511665
47449	24,701028	23,819095	22,938838	21,981611	21,436106	21,147121	23,6057	22,2098	21,3351	20,9243	20,366122	19,831238	19,747302	19,702059	19,8788	20,1095	20,3611	20,1128	-9,999	0,478424	0,485208
47452	26,283045	25,892076	25,158548	24,632373	23,839873	23,602396	25,8032	24,9824	23,9292	23,5486	22,770171	22,761694	21,845046	21,538277	21,029	21,2893	21,1284	21,4646	-9,999	0,792743	0,103069
47453	26,483364	25,075176	25,089634	24,990042	25,017465	24,956905	25,6715	25,3769	25,462	25,5882	24,887121	99	23,244494	25,393594	24,6472	24,8472	-99	25,56	-9,999	0,881435	3,80379
47454	27,159966	25,620352	25,195663	25,062414	24,703163	24,937414	25,9815	25,0964	24,7994	24,6933	99	23,440554	22,986739	22,510234	21,9568	21,8874	-99	21,8064	-9,999	3,11848	1,12214
47460	25,114613	24,436683	24,220817	24,12108	24,020713	24,085054	24,666	24,2834	24,1977	24,1515	23,517867	22,570507	22,802713	23,616187	23,0663	23,167	23,7288	23,8824	-9,999	1,91076	2,10944
47462	24,413639	24,370388	24,04518	23,621143	22,943833	22,414066	23,9958	23,6023	22,8724	22,1556	21,658323	21,344416	21,489071	21,080573	20,5123	20,6899	21,0498	20,7092	-9,999	1,21981	1,19279
47465	25,042933	23,946391	22,791561	21,639292	20,983816	20,671798	23,8481	21,9874	20,8537	20,4389	19,849712	19,417086	19,494901	19,298421	19,5789	19,9768	20,2975	21,0128	-9,999	0,615469	0,46403
47469	24,254545	23,124845	22,071372	21,087157	20,608332	20,375888	23,4513	21,5271	20,6509	20,3087	19,690871	19,290732	19,40457	19,150462	19,5338	19,86	20,0678	20,3826	-9,999	0,408353	0,367855
47472	24,456004	24,209137	23,924268	23,358595	22,878674	22,367841	24,1268	23,553	22,8669	22,2402	21,624711	21,114539	20,92645	20,84757	20,4402	20,4855	20,7994	20,547	-9,999	1,1457	1,15714
47482	23,882371	23,681184	23,349885	22,998639	22,48687	22,127065	23,9013	23,3959	22,8717	22,2805	21,515999	21,12847	21,321065	20,912319	20,4349	20,5669	20,9843	20,9452	-9,999	1,34001	0,913706
47493	24,56573	24,512405	24,244446	23,811891	23,456286	23,64039	24,6365	24,0121	23,4976	23,5441	23,421155	24,824538	99	23,605388	23,5073	23,9291	24,3857	24,1353	-9,999	0,544657	0,179107
47494	24,028356	23,859917	23,433255	22,921946	22,28471	21,767346	23,6179	22,9588	22,2297	21,4775	20,887739	20,418199	20,277923	20,046269	19,4725	19,6609	19,9626	20,1207	-9,999	0,95313	1,0461
47497	24,263685	23,834509	23,163907	22,541219	22,119199	21,864243	23,903	22,8232	22,176	21,7876	21,159023	20,611336	20,53086	20,335385	20,7046	20,7917	20,9394	20,2064	0,4748	0,723975	0,594916
47500	25,027741	24,738365	24,526767	23,929167	23,367971	23,257314	24,9287	24,2107	23,4855	23,215	22,724215	22,121409	22,744759	22,327874	22,3037	22,7663	22,7211	23,7333	-9,999	0,644338	0,745393
47502	22,671719	22,303258	21,692255	21,304791	21,11613	21,005095	22,5044	21,6279	21,183	20,9899	20,568822	20,286619	20,265447	20,305903	20,5828	20,7477	21,0104	20,5178	0,457	0,451586	0,652878
47504	25,923927	24,231259	23,072726	21,986551	21,367132	21,12055	24,3152	22,3121	21,3134	20,9205	20,342537	19,967882	19,926683	19,908477	20,0222	20,3913	20,7724	21,3142	-9,999	0,456363	0,4355
47509	24,679665	24,62301	24,280255	23,885874	23,025671	22,839574	24,6262	23,9554	23,0868	22,6105	22,136387	21,755039	21,582994	21,716389	21,3988	21,729	22,2218	22,2989	0,9755	0,970164	0,926112
47511	23,629366	22,791514	21,847252	20,94869	20,43208	20,175001	22,49	21,0111	20,1689	19,7958	19,430027	18,975119	19,039547	18,804415	18,6151	18,8196	18,8804	18,3448	-9,999	0,395057	0,411069
47518	28,262975	25,748298	24,77516	24,450447	24,454349	24,413884	26,6298	25,1641	24,9016	24,8574	23,594724	24,033884	24,96798	23,272129	22,0418	21,9279	21,885	22,0708	-9,999	3,1688	3,98902
47521	23,887245	22,967648	22,233484	21,85435	21,510824	21,414799	23,1672	22,043	21,5472	21,3267	20,846459	20,636319	20,729607	20,667653	21,4275	21,8044	22,123	21,0729	-9,999	0,208239	0,643411
47522	24,558563	23,867345	23,566759	23,472748	23,374409	23,379793	23,518	23,1911	22,9891	22,9802	22,899369	22,535589	22,505514	20,072036	23,9695	24,4812	24,1969	99	-9,999	-0,0216919	0,999478
47526	24,984239	24,714519	24,18111	23,64513	23,447843	23,336806	24,5409	23,8248	23,3607	23,1946	24,706852	23,152641	23,564398	22,898087	22,7384	23,0179	23,6931	23,4924	-9,999	0,383388	0,14712
47532	23,058914	22,73516	22,275805	21,520282	21,184006	21,031293	22,5142	21,5673	20,8979	20,6439	20,454253	20,128346	20,09771	19,972553	20,1059	20,4645	20,5331	20,6622	0,557	0,558356	0,542884
47536	25,363084	24,737589	24,277567	23,375125	22,981101	22,67473	25,1279	23,8215	22,9101	22,6168	22,110378	21,62428	21,538448	21,347377	21,4362	21,8014	21,8141	22,1911	-9,999	0,613239	0,777482
47537	24,334311	24,170773	23,89386	23,254143	22,678164	22,614487	24,0122	23,4285	22,661	22,3911	22,064773	21,7									

47568	23,315963	23,290433	23,161984	22,944264	22,285698	22,126022	23,311	22,9989	22,3642	22,0144	21,510219	21,19877	21,174855	21,23665	21,0986	21,4412	21,8602	21,7633	-9,999	0,952389	1,09515
47573	25,453205	24,773376	24,024857	23,178485	22,705831	22,524909	24,8737	23,4963	22,6989	22,3617	21,791438	21,425328	21,283285	21,313287	21,5719	21,8747	22,2445	22,1803	-9,999	0,612044	0,697625
47579	25,347135	24,313584	23,480484	22,403057	21,790291	21,471482	24,0216	22,5293	21,539	21,0909	20,546409	19,964852	19,820593	19,731927	19,6024	19,9716	19,9576	20,2054	-9,999	0,675749	0,591584
47580	24,418985	24,154312	23,70114	23,35333	23,215759	23,153176	24,5064	23,7356	23,252	23,0615	22,893021	22,620869	22,581604	24,852929	23,4082	23,7627	23,7224	24,2132	-9,999	0,575461	0,645996
47582	23,731126	23,545296	22,97568	22,742292	22,679634	22,495622	23,7153	22,8783	22,7118	22,4917	22,377324	22,100657	22,335425	22,265682	22,7416	22,9811	23,4333	22,9019	0,319	0,375676	0,302372
47586	25,857261	25,13227	24,422723	23,933745	23,787092	23,591442	25,2612	24,1738	23,6543	23,5039	23,232708	23,209914	23,242669	23,96445	23,3775	23,8041	23,8418	99	0,4107	0,431851	0,53466
47587	25,11199	24,968075	24,504041	23,948732	23,767084	23,680611	25,0505	24,2275	23,7099	23,6374	23,166915	23,417298	24,285075	99	23,3157	23,6839	24,6669	28,6539	-9,999	0,35832	0,302826
47589	24,357293	24,200449	23,957592	23,440848	23,02591	22,966852	24,2281	23,6755	23,0609	22,8406	22,553427	21,894453	22,867771	22,659051	22,4355	22,5853	22,9589	23,0418	0,7122	0,750014	0,688399
47595	24,783978	24,616462	24,103382	23,603574	23,377281	23,253397	24,5977	23,7865	23,3297	23,147	23,002812	22,720158	22,864507	23,218692	23,3189	23,6421	99	26,1717	-9,999	0,388576	0,357368
47599	23,884402	23,350774	22,540322	21,76318	21,359204	21,095591	22,8954	21,6867	20,9555	20,62	20,42156	19,991888	19,973556	19,786746	19,4967	19,8134	19,9667	19,9263	0,458	0,532248	0,50425
47600	24,837603	24,295575	23,786055	22,835609	22,315549	22,019358	24,106	22,9042	22,0422	21,6504	21,115409	20,646377	20,26146	20,356516	20,0854	20,4617	20,5784	20,6691	0,63	0,70104	0,712143
47602	24,447136	24,161699	23,956974	23,505863	22,798489	22,228946	23,9882	23,6334	22,8121	21,982	21,463358	20,970933	20,558031	20,291574	19,3365	19,2345	19,4417	19,2759	-9,999	1,58948	1,49856
47604	23,286654	23,038759	22,480777	22,0813	21,863173	21,670309	23,1438	22,307	21,8406	21,6225	21,231818	21,056089	20,932061	20,965486	21,1279	21,2439	21,1875	20,7291	-9,999	0,509115	0,571559
47606	23,358041	23,107725	22,681622	22,07047	21,864616	21,753263	23,1177	22,3222	21,7914	21,5912	21,224628	20,907978	21,130909	21,155657	21,2781	21,4868	21,5664	21,672	0,528	0,531365	0,556132
47610	27,186542	25,674349	24,151628	23,050162	21,787008	21,366491	25,7952	23,5198	21,9828	21,2874	20,538818	20,072682	19,903236	19,831109	19,5178	19,982	20,2471	20,7577	0,849	0,880969	0,858556
47613	21,865453	21,474175	20,711532	20,38887	20,080432	19,977233	21,0524	20,0118	19,5741	19,3227	19,444747	19,200014	19,228552	19,085054	19,2702	19,3691	19,802	18,4221	-9,999	0,289349	0,230662
47618	25,611502	24,399198	23,261845	22,101706	21,412762	21,135693	24,7393	22,5812	21,4673	21,0454	20,322786	19,865716	19,905943	19,769458	20,0708	20,4718	20,8108	21,4847	-9,999	0,514831	0,393674
47625	24,428699	24,412122	24,298085	24,016749	23,398813	23,220623	24,3027	24,0313	23,4339	23,1108	23,073453	23,09808	23,797546	22,802622	22,4185	22,7947	22,5914	23,3686	0,873	0,845358	0,742846
47629	23,835507	23,395298	22,815454	22,048595	21,661837	21,457469	23,5057	22,3788	21,6754	21,3462	20,829416	20,422441	20,473284	20,361744	20,6872	20,9307	21,132	21,0579	-9,999	0,529424	0,594542
47631	24,682942	24,449488	24,067344	23,547609	22,649668	22,238544	24,4701	23,6529	22,6781	22,0425	21,343722	20,947244	20,761183	20,717152	20,1641	20,4766	20,7416	21,1303	-9,999	1,06772	1,07437
47632	24,951567	24,793818	24,398036	24,127076	23,320346	23,070891	24,8955	24,3096	23,5158	23,053	22,367728	21,950743	22,279447	22,089607	21,8238	22,2397	22,6259	22,6824	-9,999	0,827202	0,913603
47634	24,322788	24,113458	23,505647	23,154009	23,013329	22,864915	24,174	23,3609	22,9278	22,7954	22,510443	22,312551	22,702201	22,320999	22,757	23,1767	23,4451	23,1684	-9,999	0,405081	0,327373
47636	22,828643	22,500207	21,756748	21,444636	21,15189	20,986257	22,5502	21,5677	21,1951	20,9345	20,651907	20,411724	20,422441	20,373497	20,39256	20,6948	20,9343	21,5752	-9,999	0,308413	0,434634
47639	25,023557	24,876183	24,825662	24,714593	24,299319	23,86755	24,598	24,5663	24,1654	23,6687	23,492824	23,63985	22,857409	22,276596	22,3178	22,3783	22,5785	23,2568	-9,999	1,39721	1,20738
47640	24,290607	23,840666	23,16532	22,258136	21,522598	21,34403	23,9989	22,6081	21,61	21,2223	20,606448	20,108001	20,123931	19,962137	20,092	20,5771	20,6487	21,2641	-9,999	0,54801	0,610967
47654	27,380843	26,742483	26,486495	25,750533	25,253577	24,102646	27,0664	26,0177	24,8832	24,1	23,83185	22,311943	21,61544	21,406675	20,7876	20,7774	21,0462	21,2218	-9,999	0,635711	-1,87793
47656	24,077754	23,925285	23,862646	23,780914	23,439806	23,163224	24,0142	23,7766	23,4616	22,985	22,929575	23,106999	21,914526	22,484775	21,018	21,1958	20,7168	21,6065	1,14	1,20598	1,3282
47660	24,341244	24,210312	24,103161	23,86617	23,445703	23,203617	24,2631	24,0865	23,7289	23,279	23,054483	22,569131	22,689819	22,681692	22,0965	22,3583	22,1278	24,1615	-9,999	1,06879	0,991328
47669	26,080264	25,337038	24,384735	23,453348	22,99587	22,673485	25,3491	23,8045	22,8639	22,477	21,942807	21,367225	21,425641	21,213829	21,2549	21,5033	22,3406	21,5214	-9,999	0,690875	0,705791
47672	26,497692	25,512882	24,461429	23,467996	22,863113	22,611196	25,5144	23,8165	22,7984	22,3834	21,656252	21,256145	21,199047	21,173976	21,2076	21,4881	21,7766	21,4075	0,4848	0,710495	0,731504
47693	23,253704	22,568612	21,760199	20,749605	20,110699	19,814335	22,3436	20,8211	19,8062	19,3572	18,978186	18,468213	18,428434	18,269932	18,1288	18,5153	18,5658	18,9322	-9,999	0,565464	0,594069
47696	23,653932	23,442944	23,052967	22,549699	21,914759	21,775838	23,1623	22,5386	21,6678	21,4108	21,163522	20,881596	20,676947	20,676008	20,3526	20,7088	20,6194	21,0653	0,777	0,790681	0,795875
47697	24,39079	23,491654	23,065006	22,462818	21,900733	21,645461	24,2839	23,0496	22,0876	21,7193	21,041458	20,64352	20,52014	20,423601	20,6293	20,9889	21,0693	21,484	-9,999	0,86236	1,15042
47699	22,701475	21,961588	20,921045	20,075304	19,61348	19,360868	21,5784	20,0342	19,2524	18,8696	18,559434	18,014333	17,98437	17,771827	17,6954	17,9593	18,1208	17,5723	-9,999	0,224429	0,186272
47713	22,762857	22,249922	21,401937	20,805298	20,445997	20,235258	22,2999	21,0303	20,4262	20,0988	19,631598	19,279092	19,358834	19,19125	19,7172	19,8263	20,1766	19,2953	-9,999	0,406983	0,274178
47726	24,205344	23,666032	22,980199	22,166989	21,761484	21,524035	23,6631	22,4464	21,6844	21,3286	20,887179	20,543311	20,330346	20,424413	20,4753	20,6855	20,645	20,3668	-9,999	0,528825	0,551544
47730	24,015132	23,932249	23,431967	23,059043	23,161172	22,915653	23,9859	23,2232	23,0479	22,8742	22,99371	22,468096	22,329709	22,768472	23,0273	23,5916	23,6527	23,1317	-9,999	0,290063	0,442374
47735	23,516552	23,428436	23,107207	22,723285	21,952032	21,767263	23,2734	22,5769	21,7154	21,3339	21,059045	20,836417	20,827787	20,623248	20,3992	20,8285	20,9795	21,5331	0,8865	0,871752	0,896336
47761	24,880072	24,622859	24,17076	23,747801	23,472079	23,456585	24,7893	23,9624	23,5038	23,3615	22,952667	22,93552	22,516902	22,922153	23,3762	23,8186	24,635	26,3359	-9,999	0,453359	0,430086
47763	25,473128	24,998777	25,043051	24,726333	24,465937	24,038848	25,3024	24,9873	24,5407	24,2528	23,381742	22,831745	99	22,7517	22,4342	22,5529	22,3363	22,9814	-9,999	1,90641	2,09153
47767	24,274489	23,573207	22,557125	22,100156	21,65867	21,451106	23,7754	22,3484	21,7154	21,4046	20,814673	20,416041	20,357632	20,257706	20,5286	20,5342	20,7269	19,8189	-9,999	0,498289	0,427254
47774	24,868237	23,370276	22,181181	21,433767	20,952128	20,751325	23,5434	21,7627	20,983	20,6531	20,036024	19,679155	19,672711	19,499294	20,285	20,5762	21,0962	21,3563	0,3198	0,278799	0,420088
47775	24,641468	24,369223	24,233995	24,022863	23,664444	23,441422	25,1357	24,956	24,2902	23,8676	22,782388	23,034956	22,748786	22,499518	21,8945	21,979	22,279	22,4314	-9,999	1,46869	1,35462
47780	24,660531	24,090138	23,754664	23,59606	23,5478	23,559579	27,4451	26,9271	26,87												

47832	25,78971	25,408527	24,557362	23,72682	22,580672	22,132502	25,3352	24,1304	22,7063	22,0292	21,252634	20,757721	20,637179	20,409379	20,0861	20,4268	20,7253	20,9398	-9,999	1,06687	0,965578
47836	23,700128	23,279338	22,816262	22,031479	21,619347	21,493718	23,2107	22,2629	21,5398	21,2724	20,874478	20,503225	20,352849	20,42775	20,5049	20,8381	20,8945	20,9571	-9,999	0,560489	0,627993
47840	25,34218	25,178303	24,540474	23,610353	22,609385	21,964913	24,8779	23,8792	22,6046	21,753	20,891762	20,387569	20,130761	19,83551	19,2115	19,4856	19,7827	20,1335	-9,999	1,01476	1,08254
47845	23,936286	23,50977	22,804436	22,161201	21,152189	20,83297	22,7026	21,8474	20,6969	20,213	19,90844	19,468093	19,272554	19,13317	18,6228	19,0372	19,1799	19,6207	0,844	0,881394	0,786144
47849	24,049817	24,001738	23,74998	23,417622	22,775459	22,502261	23,7874	23,4405	22,653	22,2707	21,893839	21,69626	21,54506	21,473659	21,5485	21,9193	22,1409	22,4259	-9,999	1,06611	1,02613
47853	24,02027	24,187097	23,700844	23,14228	22,826411	22,760789	24,2812	23,3873	22,8563	22,7041	22,387259	21,86724	22,883032	21,837826	21,9867	22,2326	22,2074	22,6964	-9,999	0,417127	0,386946
47862	25,973238	25,77783	25,635124	25,745378	25,30009	24,871165	25,7484	25,6654	25,0781	24,7085	25,381773	99	24,553058	99	23,4759	23,3653	23,0093	23,1238	-9,999	1,52731	1,17971
47863	24,357844	24,246303	23,63721	23,384059	23,271711	23,130414	24,1506	23,4643	23,2242	22,9992	23,108642	28,232553	22,697667	22,552326	23,2253	23,9145	99	24,9564	-9,999	0,131529	0,301768
47867	26,026076	25,133128	24,774315	24,633094	24,432815	24,297911	25,771	25,0226	24,7211	24,6861	24,246594	23,527086	23,622574	23,807866	23,6745	23,5595	23,3798	24,1168	-9,999	2,81666	2,9643
47869	23,93808	23,859151	23,486442	23,132353	22,891527	22,748251	24,4484	23,6717	23,2658	23,0269	22,3235	22,28165	22,27026	22,075707	22,315	22,7505	99	23,8625	-9,999	0,409565	0,41405
47871	25,455345	25,343115	25,31661	24,795886	24,536497	24,895697	25,6059	25,3773	24,7167	24,7152	24,623986	99	23,970858	27,676541	25,1182	25,9621	26,1926	26,3963	-9,999	1,25134	1,5186
47879	22,923331	22,628718	22,024719	21,454992	21,218982	21,032675	22,5303	21,6254	21,1021	20,8154	20,492106	20,197041	20,121157	20,131289	20,5048	20,6292	20,9846	20,2863	0,457	0,456561	0,415339
47880	24,584618	24,354807	23,770413	23,308798	23,132522	22,981364	24,2545	23,5289	23,0045	22,8869	22,7479	22,463967	22,443131	22,418083	22,6947	23,014	24,3873	24,8769	0,4571	0,490124	0,401273
47884	24,697253	24,098897	23,507425	22,76132	22,00627	21,672089	23,9191	22,8711	21,7565	21,3566	20,914937	20,536719	20,217257	20,016926	19,7124	20,1312	20,0793	20,3497	-9,999	0,833228	0,833387
47885	23,538554	23,063268	22,339117	21,613507	21,277496	21,035491	22,7112	21,5348	20,8949	20,594	20,37889	19,970503	19,895833	19,774737	19,9483	20,1686	20,4831	19,9868	-9,999	0,471082	0,458931
47898	25,564981	24,853216	24,189385	23,40657	22,344124	21,872254	24,8544	23,689	22,528	21,7645	21,144203	20,773876	20,554494	20,478716	20,1192	20,4128	20,8397	21,2245	1,015	1,07024	1,00657
47899	23,135116	22,779159	22,100054	21,509015	21,187482	20,97873	22,8344	21,761	21,173	20,8481	20,406118	20,068462	19,949117	19,896479	20,2721	20,3998	20,5794	20,022	-9,999	0,48111	0,476011
47900	26,322315	25,875892	25,595316	24,838679	25,049662	24,766465	26,223	25,3211	25,1634	25,1856	99	99	99	23,913768	25,0196	24,5347	23,7509	23,255	-9,999	1,88162	0,541803
47901	24,340019	23,860384	23,532816	23,383948	23,058883	23,01257	24,162	23,6201	23,3967	23,2359	22,670644	99	22,357448	21,730905	21,8389	21,8302	21,8992	21,8647	-9,999	2,89624	2,19776
47902	24,25128	24,163362	23,920059	23,769501	23,218132	23,112149	24,1744	23,8123	23,3493	22,9677	22,747249	22,236075	22,709455	22,902128	22,0736	22,3336	22,3824	22,6252	-9,999	0,995754	0,797815
47905	25,806126	25,414522	25,070753	24,214423	23,161967	22,766118	24,8072	23,9462	22,7163	22,094	21,483065	20,709212	20,357767	20,123222	19,3216	19,7161	19,8708	20,2772	-9,999	0,787672	0,832299
47921	24,973173	24,817073	24,603332	24,2467	24,056131	23,936625	25,6025	24,8208	24,4759	24,4463	24,904406	22,870635	29,044534	23,344907	24,1163	24,7697	23,9112	23,9262	-9,999	2,49544	1,9304
47932	25,420434	24,715364	24,145935	23,303771	22,863499	22,725192	24,8186	23,5906	22,8365	22,5815	22,206082	21,832863	22,367972	21,376302	21,7087	22,0496	22,1699	22,2886	-9,999	0,534276	0,763574
47941	23,345327	22,974233	22,370498	21,55121	21,177978	21,004896	22,668	21,5486	20,8756	20,5726	20,407124	20,052326	19,889751	19,984232	19,9886	20,2974	20,4113	20,3048	-9,999	0,51223	0,508269
47945	22,952414	22,868084	22,562587	21,986947	21,277451	21,067924	24,71	23,3713	22,0403	21,5603	20,356371	20,053347	19,938548	19,75412	19,4641	19,9416	20,066	20,5401	-9,999	1,40844	0,864532
47947	23,710889	23,617153	23,294687	22,801338	22,228271	22,06966	23,4946	22,8721	22,1401	21,8432	21,52111	21,172513	21,079635	20,845222	20,4183	20,6244	20,5791	21,1918	-9,999	0,950734	0,788698
47951	23,706371	23,673349	23,468843	23,176223	22,52741	22,296841	23,6023	23,1737	22,4487	22,0712	21,66905	21,713619	21,352842	21,389965	21,1863	21,5402	21,6988	21,8942	-9,999	0,986262	0,997658
47953	24,779297	24,438717	23,888588	23,402907	23,218722	23,079849	24,4091	23,5722	23,0956	22,9159	22,727961	22,108432	22,638723	23,218137	22,8731	23,1354	23,1774	23,6638	0,457	0,474586	0,515963
47965	25,020053	23,420706	22,102736	20,959605	20,149551	19,903063	23,5937	21,283	20,8883	19,6732	19,120834	18,689817	18,80776	18,587038	18,565	18,998	19,2169	19,9439	-9,999	0,545526	0,600544
47968	25,411929	24,790332	24,632465	24,604021	24,613536	24,768313	24,881	24,5649	24,5802	24,3816	29,962484	23,635904	23,913843	22,781731	25,8661	24,0772	99	99	3,956	3,88194	3,73779
47976	24,806817	24,699944	24,641328	24,523095	24,002841	23,835136	24,7098	24,6033	23,9461	23,6747	23,088697	23,218076	22,669063	25,167007	22,9332	23,3472	24,1984	25,776	-9,999	1,02296	1,42926
47978	23,947542	23,683341	23,054916	22,517841	22,326668	22,175188	23,362	22,5549	22,0532	21,8183	21,631214	21,386324	21,190715	21,425793	21,4845	21,6883	22,043	21,6727	0,457	0,501061	0,440155
47988	23,8049	23,852208	23,869522	23,901034	23,395061	23,366378	23,9076	23,8731	23,5046	23,349	22,972132	24,072997	22,774365	22,495815	22,7042	23,0815	22,695	23,5368	0,961	0,993678	1,17869
47995	24,04614	24,019019	23,682422	23,169161	23,040193	23,003104	23,8669	23,2848	22,8147	22,8137	22,649114	22,267335	22,588696	23,111118	22,9027	23,2035	99	24,4146	-9,999	0,468786	0,433273
48005	24,693924	24,406721	23,97487	23,240498	22,571362	22,257599	24,1206	23,2347	22,2995	21,9461	21,374484	20,880285	20,704927	20,359877	20,0959	20,5124	20,4749	20,8398	-9,999	0,646507	0,826434
48006	27,06522	24,794014	23,720684	22,645484	21,999144	21,766345	25,2625	23,1177	22,1157	21,7487	21,105226	20,779774	20,645441	20,695431	20,8926	21,2314	21,2845	21,8099	-9,999	0,554974	0,501241
48010	26,029955	24,898257	23,213318	22,228764	21,000898	20,683093	24,9496	22,6109	21,0895	20,5603	19,890192	19,476728	19,31486	19,210587	18,9813	19,4799	19,7031	20,3325	-9,999	0,648271	0,576601
48011	23,610265	23,560564	23,457242	23,383779	23,089189	22,681148	23,6022	23,4388	23,2186	22,7221	22,477756	22,075716	22,169712	21,799527	21,9009	22,0563	22,3816	22,6981	-9,999	1,12729	1,14976
48012	25,605374	25,20292	24,451469	23,682366	22,605769	22,071601	25,2128	23,9839	22,7264	21,9167	21,086545	20,57171	20,35095	20,235636	19,6716	19,9906	20,3257	20,56	-9,999	1,04631	1,00854
48015	24,15495	24,144772	24,020512	23,842699	23,164622	23,008375	23,9201	23,6568	23,1097	22,6638	22,991838	23,014132	23,585667	22,600549	21,2499	21,5689	21,7634	22,3704	-9,999	1,15182	0,957418
48017	25,027468	24,847624	24,200094	23,574294	22,64083	22,349122	24,5533	23,7036	22,5181	22,0119	21,324696	20,866375	20,542156	20,306449	19,8832	20,1706	20,196	20,5451	0,838	0,823492	0,89764
48028	25,126238	24,92598	24,390455	23,913814	22,947572	22,584806	25,014	24,2172	23,0899	22,5464	21,816809	21,51347	21,03987	21,169314	20,4154	20,6821	21,0064	21,2822	-9,999	0,919421	1,03975
48037	23,747767	23,647936	23,36359	22,867143	22,511559	22,595956	23,5765	22,9943	22,4462	22,3704	22,425666	21,839772	23,193052	21,927156	22,2693	22,6437	22,9665	23,7497	0,5629	0,494852	0,512035
48043	27,464354	26,480194	24,997038	23,808613	22,59438	21,979636	26,0886	24,3299	22,7865	21,9281	21,03826	20,581948	20,212863	19,6153	19,9406	20,0744	20,5826	-9,999	0,932519		

48105	23,582761	23,623639	23,37628	23,050421	22,520879	22,357672	23,5151	23,1873	22,4338	22,1532	22,186923	23,077591	21,818842	21,754923	21,2997	21,5323	22,1029	22,3242	0,8875	0,928965	0,839495
48117	24,860282	24,711108	24,311279	23,842983	23,768063	23,77874	24,5762	24,1247	23,6371	23,7271	24,293654	23,790535	23,9009	22,859361	22,8213	22,7986	22,5325	23,3245	0,6297	0,99018	0,494386
48133	25,252697	24,967283	24,49822	23,678412	22,693781	22,165564	24,8476	23,9363	22,7834	21,9906	21,191723	20,749238	20,538158	20,351253	20,0187	20,3118	20,6123	20,6872	-9,999	1,17148	1,10137
48140	26,819759	25,725698	24,331192	22,820242	21,658153	20,880469	25,169	23,2665	21,6989	20,6775	19,800396	19,253757	19,091895	18,905564	18,0666	18,4274	18,8435	19,3356	1,011	0,747201	1,00482
48153	24,313976	24,168157	23,915829	23,379841	22,837153	22,747767	24,2018	23,6381	22,8898	22,666	22,162122	22,146391	21,745777	22,355735	21,9643	22,4035	22,424	23,0819	-9,999	0,767954	0,724007
48166	24,941076	24,874775	24,358433	23,950274	23,73378	23,731255	24,8928	24,1426	23,7047	23,5864	24,017756	24,865259	23,011497	23,405496	24,5623	24,1235	24,1621	99	-9,999	0,909345	0,13553
48172	24,778055	24,622883	24,523467	23,955947	23,594692	23,263944	24,8209	24,2186	23,6257	23,2881	23,25302	23,231585	22,11425	22,738858	22,5199	23,1478	22,9487	22,9616	-9,999	0,715714	0,67111
48174	26,629487	25,459274	24,634497	24,540618	24,531631	24,512348	26,1119	25,3334	25,2514	25,1779	23,674751	23,815105	23,222037	99	23,2278	23,2018	-99	23,3237	-9,999	2,99612	2,9117
48182	23,974331	23,817731	23,767983	23,563873	23,329992	23,090922	23,8709	23,6604	23,3922	22,9081	22,087172	21,68648	21,856952	21,804245	21,0132	21,0522	21,4727	21,7071	-9,999	1,24077	1,48713
48186	24,04737	23,988061	23,747734	23,528378	22,887556	22,666918	23,6934	23,3245	22,6184	22,347	22,058069	21,966573	22,265853	21,971443	21,4594	21,8613	21,7026	22,519	0,954	0,963107	0,910266
48192	30,103822	26,504597	25,881576	25,550332	25,225303	25,240099	26,3869	25,1964	24,7463	24,8284	23,710709	23,724685	23,098697	23,153931	23,299	23,3713	23,7282	23,6767	-9,999	2,45428	3,55807
48210	26,522921	26,196245	25,851736	25,186275	24,87458	24,899121	26,2835	25,6351	25,1179	25,067	25,624269	99	99	99	24,7691	23,687	99	22,9407	0,559	0,561128	0,561317
48215	24,262629	24,111027	23,996221	23,383968	23,135449	23,084536	24,1773	23,5966	22,9451	22,8761	22,615447	22,105126	22,54265	22,222552	22,5172	22,9721	23,2243	24,3971	-9,999	0,702599	0,795966
48221	25,310703	25,125742	24,938111	24,26967	23,797796	23,803682	25,1711	24,4819	23,842	23,661	24,066286	24,150625	23,695186	26,634265	22,9309	23,2924	23,1108	23,3263	-9,999	0,487452	0,373224
48222	24,02247	24,048236	23,731563	23,336102	22,624058	22,248786	23,9961	23,4133	22,6127	22,0701	21,749388	21,568921	21,053447	20,850677	20,5522	20,8739	21,2599	21,1918	-9,999	1,02998	1,03002
48229	24,796241	24,410824	24,250762	23,773798	23,421272	23,034841	23,9494	23,5341	23,0299	22,4574	21,44623	20,826648	20,883115	20,572137	19,4632	19,4139	19,638	19,9021	-9,999	0,782068	1,50659
48235	24,112935	24,077451	23,885495	23,6068	22,946871	22,807403	24,0717	23,7334	22,997	22,7054	22,233256	22,180808	22,444714	22,166492	21,8508	22,0154	22,7313	22,4049	-9,999	0,950195	0,869606
48242	21,913337	21,358536	20,447013	20,00813	19,570125	19,427125	21,2231	19,9374	19,3395	19,0305	18,745584	18,399143	18,483928	18,288306	18,5631	18,6598	18,9752	17,5512	0,275	0,29499	0,13932
48298	24,887949	24,766689	24,480492	23,79757	23,466693	23,478622	24,8214	24,1078	23,5535	23,3796	22,873342	23,313466	24,320752	23,025341	22,0471	22,4412	21,9907	22,0479	-9,999	0,961299	0,366058
48303	23,555	22,810184	21,839217	20,942546	20,373996	20,100325	22,2016	20,801	19,9823	19,5828	19,394041	18,850843	18,906015	-99	18,7359	18,9861	19,272	19,0325	-9,999	0,44944	0,438698
48320	24,416599	24,24534	23,852479	23,282505	23,074438	22,997799	24,1391	23,4415	22,9407	22,8335	22,687517	22,648431	99	22,551303	22,8148	23,0623	23,6347	23,1888	0,509	0,496488	0,471248
50301	24,370994	24,179258	23,471866	23,037156	22,891786	22,741225	24,1818	23,2746	22,8686	22,6573	22,580606	22,239098	21,933148	22,286752	22,6278	22,9848	23,8415	23,3324	0,4092	0,355926	0,230477
50380	26,303081	24,764544	23,592861	22,492583	21,887125	21,625656	24,9239	22,9513	21,9592	21,5488	20,878847	20,414371	20,410231	20,288057	20,6085	20,8973	21,0208	21,1423	-9,999	0,506605	0,429579
50415	24,50389	24,479552	24,376078	23,740142	23,389592	23,423095	24,4551	23,9677	23,3407	23,2024	22,820639	22,51244	22,70025	22,888418	23,0903	23,6796	23,8714	99	0,6755	0,550433	0,636666
50503	24,296539	24,130053	24,035116	23,679897	23,400642	22,899542	24,1121	23,8736	23,4354	22,7829	22,185697	21,52712	21,810341	21,480579	21,1227	21,2198	21,6076	21,7251	1,33	1,2705	1,56384
50633	25,438628	24,935569	24,29979	23,745155	23,499209	23,343237	25,1835	24,0358	23,5443	23,3571	23,835575	23,144916	22,85714	24,834756	23,1218	23,5496	23,3323	23,3403	0,4102	0,398949	0,245417
50651	25,253273	23,828935	22,644427	21,606792	21,013768	20,782817	23,8644	21,9375	20,9771	20,5881	19,989824	19,644175	19,717532	19,560666	19,9447	20,2935	20,7017	21,28	-9,999	0,45312	0,386143
50673	25,03758	24,738356	24,617315	23,965632	23,475291	23,326382	24,6972	24,1127	23,3074	23,0936	23,300831	23,408249	24,960385	-99	22,7587	23,2866	24,138	24,1731	-9,999	0,780439	0,761601
50766	22,395969	21,965182	21,251134	20,555214	20,157663	19,95469	21,8486	20,723	20,0736	19,7325	19,306975	18,864099	18,991852	-99	18,9689	19,1167	19,3086	18,711	-9,999	0,377129	0,266196
50787	24,128478	23,688322	22,969204	22,223422	21,873017	21,685247	23,5189	22,3889	21,7335	21,4592	21,149983	20,853298	20,788776	-99	20,8902	21,1146	21,4438	21,0827	-9,999	0,449918	0,433239
50818	23,74209	23,759141	23,626395	23,430551	22,802751	22,71381	23,799	23,4856	22,8562	22,5247	22,23004	21,712422	22,628343	21,971398	21,5972	21,9799	22,302	22,279	-9,999	0,960406	0,932699
50820	24,520431	24,472686	24,426305	23,73659	23,502462	23,438695	24,3936	23,8207	23,3061	23,1643	22,245111	22,768072	24,311042	22,300666	23,3644	23,7084	24,2615	25,7807	-9,999	0,41488	0,640168
50837	23,355425	23,186037	22,765789	22,154665	21,977347	21,901503	22,9735	22,2185	21,7493	21,6355	21,593974	21,312882	21,411794	-99	21,4235	21,672	21,8239	21,7258	-9,999	0,436749	0,411492
50838	21,768771	20,996093	20,61467	20,381115	20,193762	20,159017	20,9077	20,2914	20,0128	19,8838	19,718507	19,546723	19,740571	-99	20,2239	20,6586	20,8031	19,8724	-9,999	0,0089053	0,146179
50916	23,683108	23,561922	23,118706	22,670072	22,541614	22,434202	23,4104	22,692	22,2834	22,1466	22,04334	22,193753	21,706673	22,076409	22,2816	22,5713	22,7553	22,9091	-9,999	0,450478	0,380641
50942	23,751024	23,558247	23,159208	22,69041	21,895853	21,711235	23,3938	22,6612	21,734	21,3681	21,017692	20,704966	20,951372	20,501477	20,3504	20,7733	20,8338	21,4369	-9,999	0,814361	0,894974
50983	23,764995	23,647428	23,615335	23,519435	23,42359	23,311318	23,8359	23,7244	23,5161	23,2436	22,325241	22,087703	22,668102	-99	22,1321	22,0358	22,5067	22,6407	-9,999	1,90059	1,9303
51021	24,061392	24,046823	23,858891	23,684458	22,998735	22,889745	23,9	23,5988	22,9622	22,6289	22,33257	22,699433	22,19007	-99	21,8425	22,218	22,4848	22,4997	-9,999	1,0264	0,895043
51030	23,224882	23,253583	23,348948	23,353177	23,010713	23,173892	23,3545	23,3417	23,1053	23,1265	23,261562	23,204278	22,233424	-99	22,6041	22,8662	22,8141	22,4254	1,1073	0,924269	1,2481
51055	22,420372	21,717661	21,246443	21,035264	20,827922	20,801055	20,8991	20,2903	19,9875	19,8835	20,440928	20,286517	20,341306	23,287549	20,2873	20,701	20,9943	20,2637	-9,999	0,12313	0,198054
51093	24,913808	24,691314	24,360495	23,775602	23,48882	23,522992	24,7443	24,0164	23,4099	23,3417	22,719079	24,253634	21,99552	22,435395	23,2975	23,6664	24,6286	99	0,5067	0,502555	0,417853
51102	22,640089	22,469272	22,012383	21,567689	21,362976	21,255099	22,4989	21,7655	21,3576	21,1705	20,872496	20,650578	20,776316	-99	21,0029	21,1191	21,5879	20,9087	-9,999	0,431873	0,531749
51124	23,7799	23,607804	23,08449	22,538817	21,994525	21,838196	23,9267	23,1356	22,2198	21,8548	21,244742	20,879298	20,896038	-99	20,244	20,6188	20,7055	21,2199	-9,999	0,989395	0,896288
51153	25,005166	24,363069	23,234469	22,332682	21,099058	20,803916	24,5661	22,7546	21,274	20,7382	20,012961	19,682604	19,516788	-99	19,3501	19,8118	20,0479	20,6026	-9,999		

57879	23,732164	23,102398	22,193359	21,484283	21,051156	20,799468	23,145	21,7659	21,045	20,6775	20,254855	19,799679	19,614789	19,443946	19,8827	20,0222	20,2574	19,4831	-9,999	0,433506	0,410027
57880	24,618039	24,367104	23,730461	23,355792	23,159836	23,013971	24,5883	23,6173	23,2418	23,0744	22,986373	22,749801	22,29282	23,035621	22,5461	22,8613	22,6366	22,908	-9,999	0,342514	0,223664
57882	24,112515	23,702806	23,022117	22,330476	21,333647	20,99192	23,5746	22,3954	21,1202	20,6147	20,087551	19,685735	19,32829	19,171571	18,6779	19,0577	19,1852	19,5317	0,84	0,975082	0,909396
57883	24,264425	24,114337	23,510397	23,112193	22,280268	21,974956	24,1909	23,3365	22,3873	21,9175	21,150398	20,805017	21,291756	20,408578	20,2397	20,5943	20,7332	20,6407	-9,999	0,963118	0,802968
57884	23,306569	22,29362	21,07437	20,517717	19,960378	19,719981	21,7005	20,1565	19,46	19,1115	18,881591	18,453071	18,402925	18,041329	18,2872	18,329	18,6566	16,9205	-9,999	0,22921	0,267187
57888	23,54179	23,033535	22,423184	22,692326	22,404965	22,444809	23,2	22,5996	22,3666	22,4223	22,266435	21,806203	21,785563	22,005658	22,3679	22,5104	22,3364	22,0679	-9,999	0,202734	0,340954
57889	25,71589	24,11489	22,932237	21,836407	21,167129	20,901717	24,318	22,2883	21,2555	20,8675	20,229572	19,79491	19,646416	19,569304	19,884	20,225	20,4918	21,0372	-9,999	0,43332	0,332313
57892	24,067134	23,469431	22,655268	22,294532	21,888869	21,713741	23,7293	22,5232	21,9829	21,7169	21,213611	20,91561	20,985575	20,54178	21,2231	21,2462	21,4778	20,5815	-9,999	0,420209	0,595173
57894	22,654271	22,355861	21,637508	21,420602	21,324813	21,213791	22,2474	21,1877	20,9185	20,7732	20,991451	20,800849	20,452317	20,763609	20,627	20,8912	21,1163	20,8669	-9,999	0,252231	0,0574005
57900	23,079786	23,042002	22,80786	22,581037	21,929952	21,756167	22,9393	22,5583	21,8138	21,5377	21,297562	21,269913	20,79509	20,799848	20,61	21,0098	21,0154	21,54	0,9045	0,900674	0,943448
57902	23,756794	23,763532	23,590216	23,393008	22,669188	22,495311	23,7882	23,4891	22,8042	22,3804	22,090014	21,819311	21,948917	22,170681	21,6055	21,9597	22,4887	22,7464	-9,999	1,0434	1,02192
58521	24,630487	24,368628	23,913606	23,737163	23,566611	23,370972	25,6014	99	23,2965	23,0611	22,986903	23,102563	23,190888	-99	24,0552	24,5606	99	99	-9,999	0,410541	9,85698
58669	24,378117	24,373125	24,13042	23,849677	23,591299	23,648029	24,3233	23,769	23,2275	22,9807	23,987234	23,420256	99	99	23,8306	24,0912	24,6331	99	-9,999	0,127018	0,792733
58679	24,048617	23,96236	23,919895	23,758838	23,459222	22,911721	24,0446	23,7851	23,4977	22,9243	22,646661	20,44981	22,641262	-99	21,0493	21,0909	21,4225	20,9743	1,25267	1,32043	1,42738
58741	24,308672	24,020145	23,471194	23,018651	22,165575	21,790706	24,1125	23,2282	22,2632	21,6896	20,902148	20,525461	20,174289	-99	19,723	20,0409	20,1966	20,3879	-9,999	1,06407	0,977278
58742	23,095399	22,965439	22,404793	22,005686	21,869024	21,638023	99	22,0484	21,6159	21,4704	21,451702	21,3054	20,894561	-99	21,2198	21,1783	21,1121	21,3753	-9,999	1,00947	0,376768
58748	23,305818	23,178986	22,953115	22,366298	21,9859	21,916646	99	22,5592	21,9193	21,7692	21,690994	21,370336	21,211513	-99	21,3425	21,5745	20,8163	22,0979	-9,999	0,973381	0,461638
58778	23,752136	23,273903	22,639474	21,977782	21,534709	21,260344	23,3719	22,2793	21,5899	21,2292	20,796397	20,278392	20,151867	-99	20,3789	20,537	20,7227	20,3077	-9,999	0,552972	0,649882
58781	29,594399	26,80985	25,713479	24,129127	22,98021	22,247665	27,2339	24,6475	23,1113	22,1368	21,357075	20,825039	20,389345	-99	19,8757	20,1822	20,6758	21,0574	-9,999	0,882712	0,594922
58820	24,234594	24,180304	24,196674	24,153639	24,031675	23,640073	24,5144	24,4464	24,5679	24,0435	24,134616	24,645352	22,592106	-99	22,7793	22,7423	23,0204	24,7963	-9,999	1,72452	1,40552
58822	24,739494	24,276828	24,102016	23,611832	23,119807	22,561261	24,3012	23,8848	23,1612	22,4957	21,667143	21,175687	20,940231	-99	19,9268	20,0035	20,2165	20,1708	-9,999	1,27828	1,48009
58829	23,97575	23,682729	23,106427	22,76412	22,129515	21,898885	23,9521	23,2881	22,444	22,1499	21,437645	21,483753	20,994692	-99	20,9086	21,2471	21,3887	21,5987	-9,999	0,758226	0,6872
58830	22,334112	21,376747	20,123653	19,508511	18,946827	18,717243	20,8483	19,2425	18,5104	18,1533	18,106541	17,679904	17,548899	-99	17,6846	17,8841	18,3542	17,8124	-9,999	0,289689	0,0129543
58853	23,217346	23,066431	22,765617	22,359732	21,787971	21,583068	99	22,3918	21,6657	21,3785	21,217058	20,951585	21,027933	-99	20,6199	21,0347	20,8143	21,3741	-9,999	0,5696	0,62614
58873	24,969323	24,709555	24,501105	24,210793	23,758277	23,187444	24,8195	24,354	23,8499	23,2206	22,511975	22,012837	21,569782	-99	21,5363	21,613	22,0092	22,7084	1,25455	1,24074	1,07342
58894	24,271037	24,07313	23,940709	23,935554	23,724913	23,174805	24,2072	24,0531	23,7991	23,3343	23,023006	22,555123	21,810548	-99	22,2937	22,4014	23,2393	24,3248	1,3626	1,26189	1,64329
58908	24,434315	24,424519	24,305671	23,989522	23,241525	22,925471	24,4956	24,049	23,3484	22,9363	22,533631	22,494101	22,392915	-99	21,8579	22,2123	22,3258	22,4068	-9,999	0,852533	0,966423
58909	26,165082	25,681327	24,7099	23,566728	22,382468	21,716879	25,5513	23,9704	22,4422	21,5555	20,854961	20,355208	19,93681	-99	19,3651	19,7492	20,0034	20,5034	-9,999	1,05441	1,04752
58912	25,112753	24,933483	24,760149	24,048801	23,686092	23,692998	24,9942	24,3621	23,7298	23,6455	23,820908	99	23,22032	-99	23,4522	23,995	23,3558	99	-9,999	0,340387	-0,889816
58927	23,83676	23,580661	22,993873	22,441738	22,207633	22,001918	99	22,6538	22,1603	21,919	21,754292	21,34712	21,230091	-99	22,9447	22,4788	99	23,3428	0,4591	0,458778	0,446338
58938	24,603476	24,460914	24,306184	23,61378	23,367227	23,303616	99	23,8689	23,4394	23,3317	22,753597	22,10741	24,08921	-99	23,3718	23,6792	23,0045	23,6793	0,5867	0,588668	1,8134
58947	24,22893	24,114399	23,813664	23,369377	22,829574	22,629449	23,9702	23,5171	22,7782	22,5325	22,318312	21,568932	21,566718	-99	21,8629	22,2997	22,1749	23,2117	-9,999	0,837881	0,791178
58949	24,171602	23,80971	23,338056	22,538505	22,127561	21,923139	23,6694	22,7351	21,9937	21,7298	21,42868	21,210955	20,955152	-99	21,0504	21,4771	21,4	22,2177	-9,999	0,621709	0,624877
58968	24,171412	22,604517	21,348742	20,529284	20,009391	19,769594	22,5738	20,7027	19,8631	19,521	19,224297	18,762298	18,589715	-99	19,0583	19,3248	19,7715	20,1442	-9,999	0,399217	0,280261
58990	22,807683	23,043065	23,16915	22,581027	22,446012	22,024991	23,096	22,8783	22,4814	22,0962	20,926816	20,346667	20,120659	-99	19,6914	19,6178	19,5766	19,4481	-9,999	1,11536	1,15717
58993	24,994383	24,461699	23,909673	23,887854	23,896087	23,747344	24,5177	23,8712	23,7075	23,6415	23,087103	23,195471	22,189159	-99	23,9068	24,8449	25,5519	25,0892	-9,999	0,1754	1,39177
59088	22,914006	22,470648	22,07481	21,872781	21,447325	21,088129	22,7175	21,9281	21,4069	20,969	20,376126	20,134533	19,745416	-99	18,9443	18,9106	18,799	18,8288	-9,999	1,38091	0,958005
59092	22,548424	22,251429	21,695791	21,488201	21,348061	21,2849	22,2928	21,517	21,2849	21,1105	21,101478	20,976795	20,59304	-99	21,4311	21,6231	22,0124	21,3087	-9,999	0,187739	0,332271
59102	25,095789	24,765238	24,42769	23,732658	23,401988	23,289225	99	23,9464	23,387	23,1938	22,311953	22,820034	22,085253	-99	22,6459	23,0821	21,9233	29,0657	-9,999	0,530539	1,97221
59140	23,283065	23,216754	23,026678	22,502324	22,153605	22,035808	22,8632	22,441	21,8731	21,7153	22,071491	21,935576	21,430473	-99	21,1983	21,6331	21,9264	22,1822	-9,999	0,704804	0,594203
59150	24,617034	23,993245	23,345406	22,555061	22,07943	21,850626	24,1231	22,8821	22,1226	21,7821	21,236457	20,697254	20,572939	-99	20,719	20,9256	20,8138	20,7101	0,5287	0,583764	0,620447
59172	24,103467	24,046594	23,955581	23,733346	23,409898	22,920772	24,112	23,8047	23,5294	22,9381	22,917894	22,927527	22,187931	-99	21,2639	21,4279	21,7746	21,6576	1,3035	1,2664	1,11545
59175	24,392258	24,170551	24,15139	23,915228	23,594289	23,160522	24,2737	24,0025	23,6877	23,1137	23,75109	23,641324	22,301235	-99	21,8067	21,9198	22,0483	22,2703	-9,999	1,40148	1,09013
59209	24,682474	24,638977	23,83867	23,474044	22,571902	22,142818	24,2677	23,634	22,5833	21,8853	21,416406	20,989042	20,690008	-99	20,0631	20,3679	20,6681	20,6844	1,0289	1,07555	0,975698
59224	24,220686	24,185207	24,038963	23,88283	23,275256	23,012261	24,2808	23,992	23,4538	22,978											

59281	26,99647	25,83459	24,793403	23,548793	22,434431	21,712241	26,4813	24,2275	22,7813	21,7783	20,815798	20,313001	19,904147	-99	19,3592	19,7206	20,168	20,55	-9,999	0,952497	1,15195	
59283	26,017889	24,722484	23,224844	22,244812	20,982954	20,553803	24,6482	22,4358	20,918	20,2479	19,802442	19,241531	19,014068	-99	18,1972	18,6541	18,8869	19,2191	-9,999	0,981007	0,676689	
59289	23,87602	23,669106	23,566484	23,336429	23,109894	22,548571	23,6	23,35	22,9952	22,4797	22,011515	21,641441	21,07519	-99	20,677	20,646	20,7447	20,6656	-9,999	1,19524	1,36529	
59290	23,415384	23,204471	22,662609	22,151569	21,891795	21,714187	23,1395	22,3307	21,8303	21,5761	21,20736	20,894931	20,726177	-99	21,0636	21,1379	21,1664	20,8767	0,47244	0,514068	0,499876	
59303	24,805663	23,935732	22,906703	22,520614	22,127148	21,95812	24,1519	22,737	22,1732	21,9294	21,496585	21,180653	21,154225	-99	21,7725	22,0042	22,3589	21,2299	-9,999	0,245303	0,481943	
59304	23,738127	23,560787	23,519212	23,223768	23,021697	22,476087	23,4215	23,1562	22,8435	22,2669	21,93381	21,512258	21,072213	-99	20,9201	20,9649	21,1609	21,3274	1,364	1,30381	1,3234	
59307	23,604509	22,982635	22,007014	21,467154	20,982815	20,722082	22,9685	21,5351	20,83	20,4797	20,044295	19,671937	19,498613	-99	19,6364	19,8062	20,1272	19,2057	-9,999	0,42912	0,378733	
59308	27,523871	26,160243	24,654656	23,721935	22,485498	22,065158	26,5539	24,1439	22,6134	22,0425	21,438418	20,842758	21,046106	-99	20,3235	20,7702	21,1058	21,5324	0,7953	0,813437	0,799403	
59316	22,720663	21,663853	20,448499	19,940013	19,458553	19,279546	21,6687	20,0381	19,3831	19,0868	18,729267	18,414741	18,278505	18,228301	18,7196	19,0076	19,3574	19,8285	-9,999	0,240863	-0,0300637	
59328	26,789833	25,017016	24,053648	23,895698	23,879184	23,615783	25,2994	24,032	23,7326	23,6911	23,036335	22,632497	22,670747	-99	21,2188	21,0397	20,2212	20,3101	-9,999	2,41836	1,56225	
59337	24,131272	24,132733	23,983434	23,466436	23,187453	23,199222	24,1039	23,6495	23,1626	23,1585	23,040626	22,6852	22,716665	-99	22,6388	23,0177	23,013	23,2076	-9,999	0,535987	0,459038	
59346	22,402509	21,520886	21,057029	21,082539	20,739437	20,36256	99	21,0539	20,6225	20,2363	19,8035	19,489683	19,062	-99	18,5371	18,7581	18,6476	18,5423	-9,999	2,51264	0,442793	
59350	24,205844	24,117076	23,865839	23,779186	23,326736	23,25059	24,7586	24,5366	23,9182	23,5861	22,890979	22,385509	22,242055	-99	22,5862	22,8474	99	24,8055	-9,999	0,772989	1,48839	
59369	24,266414	24,251981	24,254658	23,726042	23,440148	23,194618	24,0682	23,099	23,124886	23,0929	22,797773	22,619027	-99	23,008	23,5116	23,1725	99	-9,999	0,624538	0,992216		
59388	23,615471	23,546315	23,334378	23,170023	22,523896	22,2592	23,689	23,2884	22,7552	22,297	21,886039	21,886563	21,986138	-99	21,3552	21,6241	22,1623	22,3279	-9,999	0,975003	0,994678	
59394	24,793812	24,535281	24,167307	23,71096	23,061835	22,772381	24,7137	24,0393	23,2033	22,9405	22,42493	22,341091	21,152605	-99	20,4565	20,5713	20,8191	20,7715	-9,999	0,769033	0,727755	
59398	25,706791	25,232885	24,707998	23,813716	22,826435	22,493757	25,5963	24,8138	24,3566	24,2125	22,15304	21,84728	20,946892	-99	21,0897	21,651	21,9374	23,2428	0,7991	0,784971	0,741167	
59407	24,719874	24,39683	24,256685	23,56497	23,132943	23,033847	24,5745	23,9092	23,2556	23,0813	22,58153	22,296618	22,119172	-99	22,4806	22,7558	22,1604	23,6869	-9,999	0,64092	0,716675	
59433	24,191384	24,227007	23,871815	23,566304	22,841694	22,507143	24,1507	23,7013	22,9207	22,4527	21,885623	21,588936	21,327705	-99	20,6591	20,9639	21,0646	21,2003	1,0078	0,923295	0,904752	
59456	24,624373	24,410993	24,353893	24,091883	23,77385	23,328872	24,4636	24,1388	23,7651	23,266	22,691592	22,159586	23,721399	-99	21,6696	21,7237	21,8548	22,124	-9,999	1,42646	1,24259	
59472	23,511872	23,508746	23,510007	23,405698	22,88974	22,73925	24,5297	24,5058	24,1182	24,0016	22,763847	22,788172	22,32266	-99	21,9842	22,3392	22,8604	23,5527	-9,999	0,660571	1,52685	
59481	23,665407	23,211035	22,555152	21,872011	21,498021	21,231463	23,2095	22,1348	21,4841	21,1519	20,698458	20,265162	20,036183	-99	20,1771	20,329	20,5822	20,0426	0,4852	0,506978	0,530694	
59486	24,489461	24,053178	23,125627	22,895427	22,670345	22,462729	24,0684	23,0023	22,5845	22,3494	22,080253	21,987063	21,963844	-99	22,5345	22,8191	23,2207	23,0487	0,3194	0,329855	0,287503	
59501	24,834492	24,537147	24,222333	23,512325	23,066015	22,931493	24,5535	23,7548	23,088	22,8015	22,632942	22,65683	21,935219	-99	22,295	22,7849	22,4753	22,7976	0,6408	0,700837	0,693166	
59516	24,573903	24,445613	24,146201	23,863991	23,619376	23,669504	26,0541	25,7058	25,2577	25,269	24,36542	23,662543	23,250763	25,045802	23,1322	23,2046	23,5876	24,9232	-9,999	2,02271	1,59721	
59537	26,07342	25,50789	24,656274	23,952821	22,876415	22,469455	25,6396	24,2787	22,9446	22,387	21,695322	21,088302	20,304718	20,518582	20,3354	20,7494	20,9614	21,41	0,8411	0,900844	0,842287	
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59540	27,029645	26,434994	24,689594	23,630796	22,313606	21,929729	26,2263	24,1524	22,5371	21,8935	21,164792	20,714035	20,259635	-99	20,1603	20,6913	20,9349	21,5302	-9,999	0,673581	0,87866	
59576	23,152966	22,942831	22,572151	21,861956	21,479811	21,304983	22,6294	21,8257	21,1073	20,8964	20,908637	20,556506	20,160051	20,216811	20,2892	20,6978	20,7664	21,2725	0,6338	0,641283	0,62424	
59579	23,83669	23,585439	23,238464	22,65774	22,220429	22,056686	23,637	22,8903	22,1776	21,9443	21,587006	21,344061	22,273455	20,891004	20,9988	21,3662	21,6594	21,7246	0,6813	0,658429	0,763731	
59580	26,509641	25,810536	25,377052	24,021666	22,928252	22,05129	26,5122	24,5131	23,1405	22,0685	20,950874	20,522254	20,386791	20,114614	19,6911	19,9349	20,3396	20,5516	-9,999	1,27027	1,30909	
59584	24,941989	24,715816	23,932849	23,138356	22,02194	21,463099	24,5213	23,3567	22,0823	21,3495	20,576121	20,101095	19,711456	19,604948	19,3469	19,7409	20,0736	20,5134	-9,999	0,962652	0,993598	
59598	25,269119	23,842671	22,461908	21,428725	20,520545	20,226324	24,0609	21,8187	20,5489	20,1242	19,563797	19,142813	18,934058	18,836138	18,7301	19,2298	19,4579	20,0232	-9,999	0,537915	0,500009	
59609	23,282746	23,27819	23,042631	22,949852	22,32225	22,095955	23,2404	22,9467	22,386	22,0205	21,692885	21,453804	20,829243	21,416392	20,9128	21,2181	21,4404	21,5139	-9,999	0,995945	1,02317	
59616	25,608293	25,332776	24,746961	24,140129	23,172756	22,952	25,3974	24,2531	23,1151	22,8283	22,23418	21,915511	21,665886	21,594602	21,799	22,3392	22,6398	23,7279	-9,999	0,742674	0,691145	
59654	26,184632	25,736158	25,320559	24,625405	23,657363	23,142075	26,1403	25,1963	23,9516	23,2288	22,053133	21,636523	21,419896	21,647703	21,2115	21,5006	21,6734	21,4343	1,023	0,99201	1,19737	
59663	24,686355	24,387483	23,757451	23,568114	23,433152	23,332247	24,3621	23,5346	23,3476	23,2553	23,262845	22,803305	22,771236	22,602037	23,6277	24,1318	23,8287	24,2767	-9,999	0,0758771	0,400614	
59666	24,056037	23,67478	23,220789	22,707754	22,707715	22,828841	23,8373	22,9098	22,7527	22,6714	22,400164	22,23705	22,640812	22,423325	22,7169	22,9656	23,0381	23,5082	-9,999	0,128509	0,202894	
59684	24,733284	24,583943	24,319574	23,718659	22,967393	22,302765	24,3044	23,8125	23,0036	22,2207	21,587199	21,024723	20,900649	20,486978	20,08	20,2817	20,6082	20,9048	-9,999	1,20976	1,26918	
59708	23,842562	23,899727	23,897564	23,884049	23,710518	23,480148	23,9291	23,8937	23,8378	23,383	23,571394	23,477711	99	99	22,7585	22,8604	23,2633	23,0148	-9,999	0,996279	1,61906	
59718	24,166447	23,378082	22,284509	21,79921	21,366879	21,161867	23,516	22,031	21,3804	21,0867	20,639832	20,310701	19,988623	20,162139	20,84	21,1583	21,8611	21,1009	-9,999	0,250807	0,373559	
59721	24,609648	24,329183	23,933271	23,259291	22,940612	22,7638	24,4489	23,5772	22,9272	22,7643	22,376834	22,220981	22,186933	21,663551	22,3096	22,6668	23,1028	23,4194	-9,999	0,58542	0,539121	
59723	23,833325	23,92166	23,94884	23,88732	23,532473	23,338859	24,0554	23,997	23,6948	23,3341	23,30366	23,155192	99	99	24,03412	22,8259	23,0485	23,5235	23,604	1,082	0,943159	1,26014
59724	22,768924	22,689265	22,432155	22,014831	21,812774	21,80096	22,7336	22,2314	21,807	21,7617	21,52993	21,158731	20,951299	21,239016	21,3051	21,603	21,5122	21,6774	-9,999	0,54807	0,678421	
59733	24,258176	24,245452	24,109224																			

59773	23,452296	23,205507	22,654673	22,48948	22,324844	22,290848	23,3055	22,553	22,3566	22,1768	21,926554	21,518337	21,423634	21,768822	22,683	23,0113	23,3978	22,9182	-9,999	0,408128	0,376845
59775	22,966148	22,806905	22,425079	22,12566	22,145514	22,151323	23,0599	22,3455	22,197	22,0873	21,957226	21,891001	23,143131	22,363626	21,9283	22,1879	22,4664	22,7499	-9,999	0,318724	0,522495
59777	22,862871	22,891517	22,685082	22,28359	22,093277	22,148459	22,8642	22,4337	22,013	22,0263	21,912731	21,861609	21,30693	21,279634	21,7345	22,1102	22,0742	22,3617	-9,999	0,493378	0,520543
59780	25,06594	25,080626	24,555937	24,130877	23,272235	23,035931	25,4804	24,6253	23,5947	23,1937	22,273158	22,857656	21,721034	21,239354	20,5917	20,7962	20,7023	20,8354	-9,999	0,709618	0,977834
59786	24,480291	24,400694	24,259403	23,785265	23,46886	23,195155	24,2076	24,0151	23,4415	23,2491	23,619213	24,144592	-99	23,310352	23,0105	23,4403	24,0016	24,7288	-9,999	0,864912	0,623573
59789	22,970985	22,981915	22,719696	22,567379	22,127318	21,854439	23,0187	22,65	22,1747	21,7615	21,429205	21,113225	20,945826	20,955955	20,5707	20,8427	21,1714	21,0419	1,0828	1,06081	1,05333
59802	24,003946	23,903558	23,672693	23,290521	22,705195	22,540165	23,975	23,4772	22,7627	22,5705	22,13829	22,049509	22,148467	22,194294	21,8933	22,2834	22,8201	23,2688	-9,999	0,792275	0,687208
59810	25,445097	24,975932	24,452887	23,657568	22,548202	22,110166	25,1105	24,0356	22,7636	22,1196	21,403177	20,991061	20,461883	20,56238	20,3403	20,7273	21,136	21,1232	0,8879	1,01595	1,07209
59817	25,701042	25,11365	24,200232	23,291589	22,408159	21,993545	99	23,5354	22,3048	21,7958	21,18408	20,649764	20,426309	20,191275	19,9699	20,3532	20,4665	20,9446	-9,999	0,802593	1,31861
59819	22,814647	22,275746	21,440211	20,810427	20,402464	20,110349	22,2778	21,0369	20,3665	19,9868	19,555456	19,120394	18,971752	18,825195	19,2366	19,3175	19,5499	18,5707	0,438	0,429285	0,322268
59835	23,812543	23,668508	23,375806	22,897985	22,311658	22,1434	23,6633	23,0395	22,2599	21,9723	21,87787	21,55899	21,120487	21,277549	21,1011	21,5518	21,3174	22,319	0,7781	0,804309	0,893809
59845	24,121879	23,912302	23,611104	23,121309	22,728702	22,623744	24,0864	23,4873	22,8433	22,6156	22,048487	21,587658	21,399732	21,733362	21,6695	21,7989	21,9252	21,6513	-9,999	0,697136	0,677548
59853	27,773159	27,386573	25,878756	24,927092	23,841511	23,300109	26,5304	24,82	23,2342	22,6104	21,075295	20,558828	21,702115	20,039146	19,5404	19,8977	20,0013	20,0958	-9,999	0,163526	-0,450878
59861	23,69349	23,522116	22,939663	22,498213	22,313888	22,085306	23,4345	22,6738	22,2153	21,97	21,721672	21,670326	21,468326	21,278806	21,619	21,8133	22,2972	21,442	-9,999	0,528801	0,440383
59867	24,810887	24,652281	24,236045	23,592407	23,263384	23,200774	24,6117	23,7985	23,2502	23,089	22,770121	22,388181	23,708434	22,737913	22,1526	22,5066	24,5875	22,6967	-9,999	0,513586	0,427162
59870	23,390029	23,146057	22,6513	22,155748	21,907855	21,751803	23,1698	22,3671	21,9019	21,6835	21,376009	21,10555	20,895079	20,784403	21,4716	21,6097	22,0894	21,5793	-9,999	0,49199	0,564077
59874	25,131143	24,347701	23,85265	23,7073	23,535532	23,513706	24,4292	23,6255	23,4225	23,4174	23,136834	22,971424	26,956405	22,951993	22,7287	22,8453	24,1819	22,8715	0,1578	0,546894	0,829579
59878	24,131877	23,921969	23,685376	23,372179	22,833714	22,596904	24,0782	23,5843	22,9846	22,7127	22,015831	21,831342	21,493736	21,490298	21,3373	21,7472	21,5695	21,5375	0,8044	0,828623	0,722604
59879	21,143827	20,699746	19,857587	19,552109	19,223913	19,070197	19,7936	18,8071	18,4246	18,2065	18,529018	18,239676	18,120579	18,022595	18,1425	18,1775	18,5809	17,1062	0,2775	0,205441	0,252035
59888	23,162496	22,852851	22,23283	22,047224	21,916302	21,83031	22,9424	22,1088	21,8574	21,7117	21,552341	21,429544	21,223833	21,292888	22,096	22,2105	22,8282	22,0576	-9,999	0,376053	0,379541
59899	26,671184	25,96599	25,037179	23,583942	22,528009	21,755983	26,2917	24,2957	22,7496	21,7532	20,84097	20,307215	19,942258	19,910887	19,4722	19,7853	20,1944	19,9946	-9,999	1,06437	1,1267
59901	23,976059	23,988094	23,906621	23,62443	23,18564	22,938235	24,0113	23,6887	23,1476	22,8695	22,66315	22,515273	22,404504	22,513377	22,9858	23,3614	24,0313	25,13	-9,999	0,84353	0,898915
59913	23,412259	22,601205	21,511417	21,022116	20,582604	20,342644	22,6132	21,1076	20,436	20,1155	19,672737	19,327427	19,089172	18,981994	19,4372	19,502	19,877	18,5966	-9,999	0,333642	0,263414
59914	23,092227	21,756627	20,380699	19,748617	19,22274	19,019404	21,6746	19,8306	19,0731	18,7384	18,346014	18,018335	17,961664	17,807944	18,2526	18,4907	19,0275	19,1673	-9,999	0,233796	-0,125237
59944	23,414921	21,953065	20,61623	19,815274	19,20145	18,965542	21,8821	19,921	19,0566	18,6889	18,191913	17,850911	17,822399	17,670717	18,0928	18,3448	18,8446	19,1531	-9,999	0,315811	-0,0440656
59968	25,724009	25,063158	24,622061	24,050679	23,344322	22,645781	25,2726	24,5582	23,5962	22,6543	21,509743	21,056156	20,818117	20,57422	20,0863	20,279	20,6153	20,8522	-9,999	1,0971	1,83894
59970	23,762642	23,689012	23,570114	23,284259	22,810017	22,632921	23,9349	23,5849	22,9528	22,7049	22,304842	21,825369	21,015903	21,610144	21,8824	22,1871	22,4803	22,4008	-9,999	0,823271	0,81029
59977	23,362626	23,039392	22,553708	21,917835	21,586603	21,450278	23,1028	22,1829	21,6074	21,3745	21,047922	20,756819	20,620443	20,497068	20,864	21,1217	21,2295	21,0634	0,5285	0,495381	0,601513
59983	24,949215	24,344008	23,566338	22,716038	22,134759	21,927662	24,4487	23,1124	22,2325	21,8996	21,30226	20,985451	20,723301	20,67707	21,2072	21,6406	21,8128	22,3068	0,516	0,613591	0,514255
59988	25,272752	24,655125	23,761083	23,379867	23,089113	22,89479	24,7251	23,5891	23,0496	22,8309	22,494045	22,231758	21,580499	21,939	22,755	22,6458	23,1436	22,2968	-9,999	0,433743	0,369345
59994	24,298029	23,769931	23,819666	22,387138	22,032301	21,816449	23,781	22,481	21,9366	21,65	21,318774	20,93425	20,562241	20,709775	21,3062	21,4884	21,8265	21,1856	0,3196	0,354486	0,353224
60000	23,869169	23,858459	23,840429	23,266916	22,71262	22,542725	23,7295	23,3034	22,601	22,3786	22,135941	21,908536	21,342991	21,958694	21,655	22,0388	22,1481	21,8638	-9,999	0,857039	0,79075
60003	23,471847	22,43896	21,327214	20,775195	20,250688	19,98681	22,0937	20,5917	19,8755	19,5223	19,201644	18,733476	18,541327	18,395725	18,7009	18,8905	19,2182	17,4402	-9,999	0,329683	0,313198
60005	23,461896	23,442144	23,196471	22,935368	22,293474	21,990735	23,2856	22,8744	22,2231	21,7589	21,56633	21,41501	21,10356	20,758587	20,7189	21,0642	21,2983	21,515	-9,999	0,952872	1,02455
60018	23,393464	23,230635	22,846021	22,422832	21,81833	21,265435	22,9173	22,3109	21,6387	20,9135	20,619799	20,243481	19,809271	19,732803	19,2172	19,4295	19,8691	19,8547	1,1455	1,01238	1,01345
60038	25,339363	24,88473	24,196055	23,861675	23,658111	23,392338	25,1879	24,0782	23,7609	23,4907	23,33212	22,762196	23,401223	21,952273	23,663	24,0831	24,4262	99	-9,999	0,50898	0,460117
60041	23,059502	22,988737	22,712044	22,502661	21,748383	21,568322	23,1251	22,711	21,9099	21,5703	21,142385	21,000364	20,640502	20,601317	20,3779	20,7796	20,8246	21,179	-9,999	0,936018	1,25866
60053	23,650041	23,353633	23,010556	22,278156	21,873695	21,776355	23,4577	22,5806	21,8893	21,7225	21,301613	21,069964	20,564784	20,755193	20,9339	21,3084	21,3134	21,4807	-9,999	0,546434	0,68381
60055	24,564079	24,456754	24,250655	24,0462	23,367858	23,129522	24,483	24,1604	23,3562	23,0691	22,523264	22,479707	21,514339	21,834261	22,2655	22,5914	22,4422	23,7566	-9,999	0,941673	1,01595
60059	24,268025	24,295906	23,953056	23,662732	23,024563	22,715382	24,3035	23,8365	23,1944	22,8008	22,167336	22,131382	20,990306	21,437217	21,0576	21,16	21,2959	21,3473	-9,999	1,02624	0,704499
60076	24,273406	23,934649	23,186541	22,490359	21,514202	21,110404	23,9358	22,8	21,5981	21,0554	20,23516	19,856431	19,561766	19,435368	19,1832	19,5476	19,576	19,5684	-9,999	0,943592	0,883803
60079	26,415642	25,625652	24,880231	24,194781	23,107027	22,628259	25,7929	24,5442	23,3044	22,6208	21,790277	21,282253	21,080997	20,698621	20,3787	20,7731	21,0143	21,3393	-9,999	0,852325	1,14348
60089	24,197771	24,217823	23,970106	23,742525	23,1859	22,979469	24,0113	23,7703	23,1131	22,9234	22,867537	22,89151	21,886834	22,106287	22,5457	22,9745	23,5955	24,3072	-9,999	0,89525	0,684349
60091	22,885099	22,54454	22,052646	21,901964	21,681706	21,692957	22,6779	21,9846	21,7173	2											

60228	24,343391	24,386713	24,37229	24,33459	23,804227	23,758137	24,3954	24,3807	23,8835	23,6511	23,29435	23,812422	22,784207	23,407201	22,9917	23,2928	24,2651	23,2507	-9,999	1,03603	1,27998
60237	23,6166	23,300485	22,680245	22,121045	21,203911	20,930265	23,1478	22,1858	21,0843	20,6569	20,122638	19,804377	19,529871	19,427347	19,1285	19,569	19,6058	19,9391	0,84	0,759986	0,889994
60252	23,61099	23,37538	22,849546	22,390918	22,135232	21,9895	23,4597	22,6109	22,1567	21,9362	21,68034	21,357461	20,99958	20,930919	21,8275	21,9721	22,2217	21,6455	0,4728	0,522216	0,552943
60263	23,770878	23,605342	22,893787	22,674148	22,617132	22,387793	23,7159	22,8371	22,6532	22,4225	22,426814	22,124557	21,724468	21,857367	21,4047	21,602	21,1348	21,1888	-9,999	0,507362	0,236285
60271	22,97422	22,25946	22,131803	22,321424	22,162036	21,895213	23,2293	22,9043	22,6997	22,3584	22,352611	22,049336	21,218555	21,111756	21,044	20,7175	20,3646	20,0628	2,2189	2,22465	1,91008
60288	24,16166	24,086882	24,050867	23,920463	23,528727	23,161977	24,117	23,9667	23,6797	23,1596	23,01931	22,776967	22,757198	22,602007	22,2083	22,3484	22,8036	23,1598	-9,999	1,10766	1,18014
60289	25,181651	24,807009	24,399128	23,76246	23,432664	23,466936	24,7926	23,9286	23,3716	23,3187	23,112044	22,763729	22,470201	22,229461	22,8839	23,303	25,4345	23,837	-9,999	0,274052	0,311942
60291	24,974338	24,777857	24,442602	24,137097	23,380381	23,192119	24,7166	24,2214	23,3855	23,0664	22,53703	22,256639	22,955833	22,472735	21,2685	21,8385	21,966	22,0642	-9,999	0,991718	0,839841
60303	24,048062	23,619343	23,035055	22,847269	22,702515	22,694214	23,8082	22,9697	22,6925	22,5658	22,193991	21,986931	22,04857	22,912319	23,0526	23,243	24,0178	23,4569	-9,999	0,313835	0,304662
60310	24,596636	24,530908	24,389557	24,180909	23,415576	23,137181	24,5717	24,2952	23,5598	23,1567	22,638482	22,856005	22,490918	21,851409	22,1204	22,4231	23,4071	22,9466	-9,999	0,838736	0,97053
60321	24,399464	24,079366	23,583322	22,899664	22,569678	22,37727	24,1661	23,1758	22,5081	22,3026	21,78116	21,621937	20,990379	21,299111	21,37	21,6205	21,404	22,8634	-9,999	0,507056	0,578437
60323	25,001314	24,594391	23,940645	23,192332	22,81708	22,576798	24,6254	23,5188	22,7936	22,5353	21,864295	21,445318	21,153642	21,234014	21,3905	21,8276	22,1654	21,7376	-9,999	0,482702	0,560949
60364	24,064368	23,848836	23,217419	22,748808	22,620275	22,503857	23,4666	22,6011	22,2471	22,0214	22,237251	22,04383	21,551242	21,945581	22,0986	22,4118	22,7172	22,9051	-9,999	0,429805	0,455197
60371	25,13919	24,830095	24,391893	23,894036	23,865741	24,9606	24,2468	23,8927	23,8078	23,620267	23,083192	22,95355	22,453603	23,2083	23,315	23,1517	22,1221	-9,999	0,56975	0,780466	
60375	24,292256	24,081386	23,361194	23,021589	22,80993	22,59797	24,0937	23,157	22,8043	22,5588	22,338217	22,116283	22,182333	21,94126	22,7451	23,1179	23,0714	23,0367	0,3762	0,338225	0,235191
60383	23,89401	23,852071	23,852024	23,718322	23,369148	23,039759	23,8504	23,7249	23,4397	22,9983	22,903338	22,78234	21,985389	22,626587	22,5086	22,6675	23,3749	23,4897	1,1994	1,00805	1,21432
60394	23,471273	22,949855	22,129793	21,408441	21,011654	20,773069	22,8151	21,5444	20,8465	20,5089	20,210539	19,828908	19,643122	19,571445	19,9758	20,1902	20,584	20,0894	-9,999	0,47731	0,40103
60397	23,994455	23,587648	23,045103	22,839688	22,74397	22,693401	23,6089	22,8575	22,6401	22,497	22,302554	21,984687	22,262142	22,487915	22,9659	23,1655	24,2294	23,6568	-9,999	0,301267	0,264608
60408	24,667999	24,20438	23,653084	22,867923	22,536165	22,342031	23,9797	23,0249	22,3293	22,11	21,732535	21,329559	21,222467	21,233395	21,3557	21,7177	22,6951	-9,999	0,539505	0,666062	
60417	23,660596	23,650263	23,647543	23,706321	23,385982	23,232029	23,7217	23,6455	23,4812	23,1918	23,205893	23,46855	99	22,346492	22,6908	22,8375	23,8584	24,5829	-9,999	1,00819	1,44901
60419	24,564729	24,201708	23,863198	23,527823	23,520296	23,314837	24,673	23,9524	23,5493	23,3773	23,204896	22,460009	23,216143	22,358134	22,6849	23,0977	23,594	24,5545	-9,999	0,793454	1,17907
60426	23,928297	23,78696	23,423851	23,115699	22,780522	22,890242	23,891	23,2961	22,7996	22,8315	22,689752	22,217125	22,315758	22,88367	22,8804	23,1496	22,995	22,6833	-9,999	0,480281	0,286622
60430	24,808217	24,549469	23,914147	23,350332	22,556143	22,271859	24,6667	23,6517	22,6048	22,1743	21,255078	20,92217	20,501106	20,292544	19,8256	20,1775	20,0171	20,2995	-9,999	0,707328	0,741666
60438	23,452043	23,44674	23,275027	23,061953	22,495627	22,322979	23,3596	22,9783	22,34	22,064	21,923232	21,77486	22,014427	21,673152	21,3453	21,6594	21,9999	21,7031	0,9418	0,934164	0,858154
60461	28,450869	26,420027	25,179882	24,031052	22,818087	22,332006	26,1647	24,5185	23,0553	22,3208	21,420729	20,98154	20,759061	20,560543	20,346	20,7982	21,0807	21,6394	-9,999	0,838406	0,828743
60472	23,786017	23,21249	22,468094	22,209662	21,944079	21,826061	23,1778	22,1764	21,7673	21,5747	21,517904	21,551636	21,236619	20,98078	21,6064	21,1838	22,5534	21,9469	-9,999	0,292993	0,333757
60476	24,535168	24,353436	24,036256	23,531559	22,996802	22,669673	24,4963	24,2569	23,7773	23,4188	22,403802	22,692645	21,786615	21,766357	22,2163	22,6315	23,1386	22,24	-9,999	0,921702	0,758079
60489	24,211616	24,250202	24,278751	24,054778	23,648334	23,424722	24,1666	24,1169	23,6347	23,3662	23,445825	22,705776	22,531787	24,008031	22,8983	23,5115	23,4448	23,6909	-9,999	0,868955	1,03319
60490	24,576017	24,483808	24,417465	24,166011	24,021282	23,482274	24,313	24,1123	23,8354	23,2354	22,681182	22,271758	21,817657	21,573904	22,044	22,137	23,236	23,0897	1,36435	1,30602	1,35288
60494	24,958407	24,595352	24,024219	23,433055	22,615419	22,404268	24,8356	23,777	22,7243	22,3642	21,833521	21,45075	21,073303	21,232684	20,6143	21,0267	21,0788	21,303	0,7669	0,739045	0,697645
60513	23,598542	23,638329	23,66843	23,548303	22,963634	23,115757	23,7509	23,6214	23,2147	22,9566	26,443368	99	23,428977	23,616806	23,2124	23,1093	22,9628	22,9303	-9,999	1,04215	1,14447
60516	22,329744	21,82505	21,624627	21,833112	21,610496	21,384743	21,7991	21,6913	21,6736	21,3803	20,95742	20,805245	20,775783	20,371498	20,4473	20,2532	19,7952	19,397	-9,999	1,2376	0,988088
60529	24,005701	23,998263	23,564624	23,373625	22,762055	22,501623	24,0409	23,5818	22,8924	22,5429	21,771912	21,534776	21,103401	20,917956	20,7369	21,0061	21,1485	21,133	-9,999	0,919517	0,702551
60537	25,213483	24,799716	24,167746	23,998868	24,003141	23,863975	24,8499	23,9499	23,7703	23,5852	25,339377	23,240129	99	24,842469	23,9702	24,8009	25,2133	99	-9,999	-0,105928	0,796029
60539	24,495896	24,383084	24,176567	23,9452	23,132168	22,972314	24,4014	23,9548	23,2465	22,9284	22,347401	21,966678	99	22,885902	22,1424	22,6192	23,0294	23,8177	0,943	0,886913	0,862773
60565	24,071795	24,039716	23,699991	23,508676	22,762242	22,574707	23,8963	23,4856	22,7164	22,3456	21,984417	21,731452	21,415548	21,556216	21,3379	21,7166	21,948	22,3204	-9,999	0,966922	0,93626
60574	25,273208	24,610596	23,906461	23,03099	22,479237	22,237237	24,7725	23,441	22,5871	22,2281	21,73338	21,465616	20,783384	20,969299	21,5993	21,9766	22,3559	23,0032	-9,999	0,761398	0,549885
60633	24,632512	24,667809	24,137582	23,757849	22,90267	22,571213	24,5806	23,845	23,007	22,4421	21,890289	21,504526	21,329332	-99	20,9447	21,2849	21,7703	21,8474	-9,999	0,979474	0,817548
60643	23,669225	23,416183	23,094611	22,660542	22,048381	21,904016	23,5619	22,8899	22,1339	21,872	21,315007	21,100792	20,99945	-99	20,4149	20,8371	20,959	21,2087	0,7834	0,894047	0,926794
62021	23,783064	23,642276	23,357822	22,84576	22,307743	22,159201	23,0189	22,7269	21,8589	21,6073	21,653169	21,1391261	21,198302	-99	21,2287	21,7341	21,4726	22,4073	-9,999	0,829782	0,792442
62219	26,533955	25,401732	23,51027	22,470279	21,152847	20,78172	25,3396	22,8051	21,1936	20,6116	19,910287	19,416213	19,262275	19,06616	18,8997	19,469	19,6511	20,355	-9,999	0,711275	0,682998
62402	27,373824	26,258368	24,959468	23,956113	22,657914	22,109905	26,273	24,3693	22,9259	22,1183	21,476068	21,051448	20,486506	-99	20,3329	20,7298	20,8622	21,589	0,90812	0,982692	0,976839
62441	27,731352	26,607146	25,268706	24,424132	23,237301	22,615516	25,9796	24,7324	23,4578	22,6316	21,64735	21,220001	21,369547	20,716824	20,6201	20,9112	21,1587	21,4731	-9,999	1,01708	0,743298
62451	24,042892	23,938421	23,538011	23,276284	22,92489	22,223363	24,0393	23,4141	22,6695	22,2119	21,579451	21,349561	21,381172	23,603759	21,0237						

62804	24,541381	24,540438	23,970634	23,547363	22,68443	22,347484	24,2848	23,5972	22,6214	22,1306	21,606091	21,260613	21,460459	-99	20,5857	20,9328	20,7574	21,5408	0,9475	0,935022	0,852599
62813	23,920798	23,810049	23,735575	23,677527	23,34979	22,944609	23,8731	23,7054	23,4763	22,9715	22,533394	22,046141	21,970368	-99	22,2904	22,3871	23,0229	22,9155	-9,999	1,07299	1,35411
62839	24,971737	24,657225	24,218882	23,995187	23,818035	23,802693	24,9618	24,2225	24,0031	23,7621	23,949613	23,282355	22,389428	-99	23,8932	24,2351	25,8765	23,9943	-9,999	0,853492	1,03113
62868	24,341772	23,88994	23,295689	22,556311	21,943911	21,741105	23,8889	22,7963	21,9044	21,5571	21,056851	20,648098	20,617087	-99	20,3546	20,7876	20,6442	21,1622	-9,999	0,620109	0,699596
62888	23,049316	22,549973	21,817497	21,183805	20,770475	20,538588	22,575	21,4116	20,7258	20,4175	20,014134	19,671424	19,595984	-99	19,8278	19,936	19,8173	19,1881	0,4545	0,501755	0,43385
62926	23,214385	22,99645	22,548912	21,823184	21,340746	21,197211	22,748	21,9027	21,174	20,9217	20,587545	20,281325	20,161312	20,126861	20,1511	20,5644	20,8637	21,1412	-9,999	0,584471	0,567685
62929	23,836269	23,687253	23,297103	22,78375	22,545801	22,493142	23,6644	22,9494	22,4639	22,3031	22,208635	22,265575	21,7755	21,966466	21,8043	22,1198	22,4979	22,2319	-9,999	0,475163	0,470355
62930	24,392766	24,246835	23,715332	23,39847	23,343945	23,156164	24,1968	23,5633	23,3558	23,1339	22,921136	22,932376	23,578088	22,617033	23,5519	23,7775	23,6429	23,6883	-9,999	0,332686	0,5475
62944	25,446479	24,844077	24,106909	23,839693	23,591983	23,469871	24,9993	23,9849	23,632	23,3533	23,187187	23,258644	99	-99	23,9255	24,4482	24,8852	29,3349	-9,999	0,252596	0,483956
62981	25,38316	25,057546	24,258403	23,405884	22,30933	21,701379	99	23,5818	22,3997	21,4902	20,719242	20,174336	20,053129	-99	19,2086	19,5366	19,8794	20,0825	-9,999	0,369594	1,48295
62989	23,077721	22,48936	21,592981	21,246129	20,897572	20,770377	22,4023	21,2432	20,7427	20,5009	20,242686	20,017654	19,957966	-99	20,4975	20,7332	21,4388	20,1948	-9,999	0,228238	0,242677
63001	24,706463	24,455714	24,250024	23,936964	23,389099	23,282422	24,5375	24,1053	23,5311	23,2829	23,20964	23,34335	22,260881	22,372082	22,6239	23,1133	23,4248	99	-9,999	0,808265	0,70268
63002	24,375673	23,764437	23,374348	23,330103	23,16387	23,156201	23,782	23,3347	23,1835	23,1827	23,253477	22,67432	23,520924	99	23,8102	24,1882	99	99	-9,999	0,316237	1,04353
63024	24,39555	24,238783	23,894266	23,267013	22,830637	22,689139	24,1604	23,4865	22,6993	22,5236	22,25632	22,011181	21,565044	-99	22,0444	22,4585	22,4946	23,6268	-9,999	0,769077	0,738989
63054	24,770931	24,277863	23,848325	23,698992	23,464999	23,50039	24,4249	23,7751	23,5965	23,5243	23,567122	23,285438	22,310453	22,474481	24,0957	24,621	99	25,3045	0,2305	0,34629	0,883001
63072	25,612479	24,967357	24,38632	23,584032	22,381439	21,652039	25,2042	23,9119	22,6455	21,523	20,777152	20,289764	20,17598	-99	19,3437	19,531	19,9204	20,2155	-9,999	1,35063	1,31622
63076	25,873201	24,895025	23,299546	22,241261	21,104692	20,798798	24,8909	22,5119	21,0918	20,562	20,026766	19,47931	19,425971	-99	19,0088	19,5491	19,8136	20,4874	0,6811	0,602042	0,535735
63091	24,739722	24,387715	23,939871	23,291892	22,849335	22,683738	24,4196	23,5747	22,8945	22,6736	22,302084	21,852708	21,753197	-99	21,9771	22,3747	22,6085	22,6414	-9,999	0,584414	0,577847
63137	23,375605	23,301267	22,952519	22,552628	21,796704	21,635232	22,9629	22,4616	21,639	21,3216	21,146058	21,033267	20,740386	-99	20,2396	20,6505	20,6909	21,0593	-9,999	0,796288	0,832059
63142	25,732748	23,910381	22,556581	21,43275	20,58621	20,295307	24,1632	21,8715	20,6276	20,1842	19,577571	19,056878	19,137705	-99	19,0515	19,4953	19,7591	20,4779	-9,999	0,5898	0,459101
63195	23,625653	23,526357	23,27907	23,051911	22,466679	22,267174	23,6021	23,135	22,4953	22,204	21,651775	21,735512	21,834724	-99	21,3061	21,7204	21,899	22,1777	-9,999	0,846235	0,88633
63229	24,905054	24,343058	23,882891	23,296539	22,813482	22,67659	24,5409	23,5694	22,8602	22,6106	22,205984	21,84328	21,732924	-99	21,9077	22,2976	22,4472	22,8428	-9,999	0,621111	0,691578
63255	23,940591	23,588022	23,204926	22,452204	22,006359	21,845573	23,6412	22,7071	21,99	21,7331	21,305877	20,892162	20,884853	20,618643	20,8627	21,2534	21,1549	21,4719	0,6341	0,580571	0,701104
63282	25,106457	24,78527	24,462739	24,011418	23,663865	23,499458	25,0147	24,3247	23,7818	23,6024	23,175096	22,516327	22,791739	-99	22,999	23,4624	24,154	23,7991	-9,999	0,669217	0,79556
63311	24,872998	24,525497	24,2286	23,636081	23,16807	23,171202	24,675	23,9524	23,3492	23,129	23,000364	22,215347	22,285882	-99	22,2564	22,6509	22,4678	23,6129	-9,999	0,577286	0,558319