

Fármaco	Concentración (nM)	Ko 0	Ko 2.5	Ko 5	Ko 10
Amiodarone 1	0,08	5,490135811	7,986710588	11,16319554	11,79362423
Amiodarone 1	0,8	5,490250829	7,986534997	11,16298283	11,79113856
Amiodarone 1	1,6	5,490193354	7,986360372	11,1625135	11,7903619
Amiodarone 1	8	5,490209408	5,50312963	5,51363714	5,54729731
Amiodarone 1	80	5,489755041	7,977100485	11,14181784	11,76861081
Amiodarone 1	800	5,484543852	7,951894249	11,00906371	11,6415565
Amiodarone 2	0,05	5,490221506	7,986622482	11,1630832	11,79180847
Amiodarone 2	0,5	5,490214821	7,985720317	11,16203776	11,79729164
Amiodarone 2	1	5,490042287	7,984749519	11,17350831	11,79902053
Amiodarone 2	5	5,489667966	7,977796019	11,18760784	11,80695565
Amiodarone 2	50	5,483834638	7,957450851	11,17568739	11,87441711
Amiodarone 2	500	5,46210091	7,855969027	10,61238917	11,64533425
Bepidil 1	3,5	5,490104319	7,985125212	11,17151115	11,79207483
Bepidil 1	35	5,489550752	7,97415759	11,17149273	11,78353584
Bepidil 1	70	5,488748356	7,965973402	11,1787224	11,77829919
Bepidil 1	350	5,480042204	7,945523657	11,06112673	11,67903789
Bepidil 1	3500	5,458282768	7,763221622	9,694118414	11,02215821
Bepidil 1	35000	5,449036968	7,538137105	8,846570709	10,58278369
Bepidil 2	3,3	5,489911675	7,98022667	11,1777454	11,79695732
Bepidil 2	33	5,48662272	7,96040751	11,19260055	11,82603404
Bepidil 2	66	5,481025813	7,957430454	11,13147511	11,81847542
Bepidil 2	330	5,464314424	7,873355603	10,68634987	11,64634044
Bepidil 2	3300	5,453068199	7,641231358	9,638525037	11,16492423
Bepidil 2	33000	5,454319366	7,677521309	8,895618091	10,57507245
Bepidil CiPA	3,3	5,489958021	7,980549125	11,17578463	11,79269901
Bepidil CiPA	33	5,488050181	7,964634272	11,22086518	11,84282217
Bepidil CiPA	66	5,486320096	7,958738357	11,21349012	11,89917158
Bepidil CiPA	330	5,473412643	7,952020546	11,12982607	11,88538034
Bepidil CiPA	3300	5,45664682	7,780750106	9,831567006	10,66299794
Bepidil CiPA	33000	5,380507629	6,056041105	7,214328331	9,28361663
Cilostazol	12,8	5,490200622	7,986703359	11,1630313	11,79341672
Cilostazol	128	5,490201773	7,98594089	11,16159053	11,79055794
Cilostazol	256	5,490084112	7,985340062	11,16187253	11,79309854
Cilostazol	1280	5,489985121	7,980373796	11,16279367	11,78212133
Cilostazol	12800	5,48700359	7,949390459	11,11039326	11,70067702
Cilostazol	128000	5,46578665	7,881367794	10,03805547	11,04122179
Disopyramide	74,2	5,490145105	7,986489358	11,16305639	11,79488754
Disopyramide	742	5,490048843	7,984327161	11,174943	11,79577302
Disopyramide	1484	5,490037701	7,981917256	11,18560677	11,80551394
Disopyramide	7420	5,488924473	7,968400195	11,21691259	11,83485636
Disopyramide	74200	5,476899412	7,949573963	11,14796133	11,7825389
Disopyramide	742000	5,465671547	7,912635178	9,743759335	10,76524966
Dofetilide 1	0,2	5,490268801	7,986495724	11,16339907	11,79589313
Dofetilide 1	2	5,490100418	7,984091958	11,17978496	11,80878804
Dofetilide 1	4	5,489975286	7,981346097	11,20289821	11,8196132
Dofetilide 1	20	5,48886552	7,971759	11,28398712	11,98554364
Dofetilide 1	200	5,476008219	7,989504899	11,275101	12,51537261
Dofetilide 1	2000	5,456010785	8,378202728	11,8211668	13,06485007
Dofetilide 2	0,2	5,490142415	7,985192279	11,17563799	11,80337263

Dofetilide 2	2	5,48931456	7,975355975	11,24953969	11,86818682
Dofetilide 2	4	5,48856778	7,970584639	11,28969203	12,002479
Dofetilide 2	20	5,478235271	7,973462977	11,26352856	12,3989588
Dofetilide 2	200	5,45750557	8,380579731	11,84289148	13,36103933
Dofetilide 2	2000	5,454809297	8,368493219	11,8532783	13,31492148
Dofetilide CiPA	0,2	5,489995703	7,981929477	11,1745962	11,79731735
Dofetilide CiPA	2	5,488824892	7,965338255	11,24689677	11,90771212
Dofetilide CiPA	4	5,487661583	7,955281008	11,26073811	12,00467578
Dofetilide CiPA	20	5,477176432	7,938549089	11,18276955	12,25677017
Dofetilide CiPA	200	5,461268038	7,956946153	10,84670563	11,68441626
Dofetilide CiPA	2000	5,427912913	7,589533116	9,181242896	10,99953893
Donepezil	0,3	5,490204211	7,986798552	11,16326206	11,79329376
Donepezil	3	5,490210827	7,986495206	11,16329605	11,79248883
Donepezil	6	5,490178194	7,986211416	11,16315569	11,79641458
Donepezil	30	5,490064634	7,984773229	11,17608903	11,79890213
Donepezil	300	5,48920471	7,973466583	11,24092116	11,85730461
Donepezil	3000	5,477229422	7,964038808	11,20324988	12,12360002
Flecainide	75,3	5,490159001	7,983668098	11,16956475	11,78743654
Flecainide	753	5,488531214	7,960752483	11,16197402	11,73658214
Flecainide	1506	5,487413028	7,948004758	11,13545328	11,68641264
Flecainide	7530	5,474922852	7,908264576	10,74830807	11,20709129
Flecainide	75300	5,452276712	7,594165759	9,031307454	10,60345263
Flecainide	753000	5,426562411	7,391474677	8,747339899	10,7032998
Halofantrine	17,2	5,490074425	7,98337253	11,16965909	11,79215556
Halofantrine	172	5,488495779	7,966351392	11,17578447	11,79426746
Halofantrine	344	5,486463733	7,959753822	11,16255481	11,80596563
Halofantrine	1720	5,470129672	7,926315962	10,95967076	11,74797545
Halofantrine	17200	5,454948904	7,667754853	10,04555225	11,54793974
Halofantrine	172000	5,45612379	7,729552671	9,74288997	11,22482546
Haloperidol 1	0,4	5,490233306	7,986354292	11,16315767	11,79555869
Haloperidol 1	4	5,490021489	7,982351802	11,18879349	11,81198587
Haloperidol 1	8	5,489763014	7,978274685	11,22241739	11,82453237
Haloperidol 1	40	5,48766648	7,964956813	11,26071928	11,9898546
Haloperidol 1	400	5,471192592	7,984126024	11,15689677	11,98905123
Haloperidol 1	4000	5,456879427	7,803310163	9,951975043	11,22640898
Haloperidol 2	0,36	5,490090966	7,986163285	11,1633153	11,7964526
Haloperidol 2	3,6	5,489922175	7,981091771	11,2012929	11,81895027
Haloperidol 2	7,2	5,489572218	7,976730044	11,2103463	11,83927783
Haloperidol 2	36	5,487195415	7,966158985	11,26283323	12,06161051
Haloperidol 2	360	5,471164301	8,008736417	11,22306704	12,20414914
Haloperidol 2	3600	5,458610139	7,86809981	10,31066249	11,43740346
Ibutilide	14	5,488679498	7,970853641	11,29038212	12,00514979
Ibutilide	140	5,475659619	7,997578264	11,28611368	12,55980319
Ibutilide	280	5,441464315	8,24136991	11,61891718	12,94613395
Ibutilide	1400	5,456698172	8,377041335	11,84541381	13,23781363
Ibutilide	14000	5,453667354	8,370060507	11,70407073	12,44458449
Ibutilide	140000	5,457469413	7,818318053	9,52356459	10,84956566
Methadone	50,7	5,490167652	7,985871188	11,16155883	11,79198917
Methadone	507	5,489795947	7,978785398	11,17218429	11,78757516
Methadone	1014	5,489326642	7,971865383	11,19428149	11,78820517

Methadone	5070	5,485702724	7,946526179	11,13323372	11,73872491
Methadone	50700	5,464551585	7,891359219	10,00004282	11,0220515
Methadone	507000	5,445985125	7,50420758	8,889012992	10,62420898
Moxifloxacin	1096	5,4900625	7,984934693	11,15918443	11,78761277
Moxifloxacin	10960	5,489503846	7,973064392	11,13863239	11,7583901
Moxifloxacin	21920	5,488676476	7,964845317	11,10821977	11,72001325
Moxifloxacin	109600	5,481928062	7,939886294	10,90989156	11,56418367
Moxifloxacin	1096000	5,457448664	7,672361051	9,68423576	11,10084774
Moxifloxacin	10960000	5,452970916	7,607642721	8,894425861	10,58637106
Procainamide	5418	5,490031308	7,983244713	11,14959481	11,77746518
Procainamide	54180	5,488798289	7,960085047	11,02826949	11,63889915
Procainamide	108360	5,487254282	7,945475161	10,92953486	11,52954182
Procainamide	541800	5,475787712	7,871893425	10,21668582	11,11283275
Procainamide	5418000	5,45244813	7,501242232	9,000424765	10,64555414
Procainamide	54180000	5,432529135	7,392122487	8,724894803	10,63315952
Quinidine 1	323,7	5,488917604	7,96799142	11,18185358	11,80193686
Quinidine 1	3237	5,472997788	7,941139037	11,00028517	11,64929234
Quinidine 1	6474	5,413010646	5,413660934	5,42256301	5,429092058
Quinidine 1	32370	5,455303664	7,705595635	9,486606953	10,9293042
Quinidine 1	323700	5,448542715	7,501815881	8,774735091	10,53925232
Quinidine 1	3237000	5,447341704	7,263948677	8,670790767	10,65729896
Quinidine 2	92,4	5,489428151	7,975241829	11,2113332	11,83688053
Quinidine 2	924	5,479327543	7,961393259	11,21790432	12,13256967
Quinidine 2	1848	5,475305374	7,970779592	11,19375207	12,11484454
Quinidine 2	9240	5,465831348	7,988325906	10,89752971	11,57864687
Quinidine 2	92400	5,4523889	7,592839298	9,159753248	10,72404907
Quinidine 2	924000	5,434768772	7,474027694	8,776430656	10,66328973
Quinidine CiPA	323,7	5,488752555	7,966194572	11,18616098	11,81850222
Quinidine CiPA	3237	5,475285943	7,907236517	11,10505936	11,76565406
Quinidine CiPA	6474	5,467065586	7,861660941	10,95668873	11,5002672
Quinidine CiPA	32370	5,406595792	7,916791721	9,049422372	10,22915606
Quinidine CiPA	323700	5,369439992	5,869686423	6,909152584	8,977056523
Quinidine CiPA	3237000	5,367629017	5,844836701	6,862310378	8,917524749
Sotalol	1469	5,490103869	7,985008226	11,15870711	11,78777563
Sotalol	14690	5,489520876	7,972815758	11,13403121	11,75791195
Sotalol	29380	5,488388649	7,963867267	11,11233792	11,72438396
Sotalol	146900	5,480383093	7,936371852	10,89887889	11,61585813
Sotalol	1469000	5,45738029	7,659047834	9,960578123	11,40196719
Sotalol	14690000	5,455230786	7,706874631	9,333853113	10,89443055
Sotalol CiPA	1469	5,490098341	7,98501364	11,17555983	11,79571979
Sotalol CiPA	14690	5,489687864	7,978304745	11,2231281	11,82758233
Sotalol CiPA	29380	5,489328052	7,974026899	11,21760424	11,84757299
Sotalol CiPA	146900	5,48707973	7,963614838	11,25516135	12,04014771
Sotalol CiPA	1469000	5,470151427	7,999110359	11,21965476	12,3425209
Sotalol CiPA	14690000	5,388178714	7,977482362	10,84243115	12,63111239
Sparfloxacin	176,6	5,490095941	7,986022061	11,16163789	11,79139137
Sparfloxacin	1766	5,489830639	7,980470409	11,17311432	11,78685189
Sparfloxacin	3532	5,489499895	7,975513156	11,16007985	11,78405501
Sparfloxacin	17660	5,486610679	7,959317642	11,1305004	11,77132335
Sparfloxacin	176600	5,464037076	7,830319093	10,57471951	11,60577999

Sparfloxacin	1766000	5,453598146	7,640127239	9,683868138	11,21128619
Terodiline	14,5	5,490052531	7,984999446	11,17175132	11,79355424
Terodiline	145	5,489501452	7,974056268	11,17287383	11,78516102
Terodiline	290	5,488733552	7,964912229	11,17983195	11,77515108
Terodiline	1450	5,480024929	7,942552951	11,05819386	11,66224744
Terodiline	14500	5,458908481	7,782449977	9,632214481	10,94643974
Terodiline	145000	5,447141863	7,512190728	8,815324242	10,57369054
Thioridazine 1	98	5,489777493	7,972466252	11,14162443	11,73494886
Thioridazine 1	980	5,480792589	7,911488658	10,80366398	11,29738624
Thioridazine 1	1960	5,474493832	7,889725023	10,38071742	11,02652327
Thioridazine 1	9800	5,458548208	7,62028082	9,136507624	10,60028968
Thioridazine 1	98000	5,431017459	7,458951846	8,773832244	10,67950014
Thioridazine 1	980000	5,469898687	7,341551813	8,76084726	10,82727564
Thioridazine 2	20,8	5,488714345	7,969436715	11,24603844	11,91559956
Thioridazine 2	208	5,474777623	7,969757447	11,17758224	12,06699023
Thioridazine 2	416	5,470548941	7,984982606	11,13420348	11,88096266
Thioridazine 2	2080	5,460477588	7,908950796	10,13638427	11,20743777
Thioridazine 2	20800	5,447834612	7,511768437	8,938377816	10,64639264
Thioridazine 2	208000	5,431847124	7,3080123	8,688622306	10,6339728
Ajmaline	150	5,489893484	7,97976858	11,19378933	11,80109784
Ajmaline	1500	5,486088539	7,950152706	11,21457977	11,81913797
Ajmaline	3000	5,479916205	7,944837764	11,16794001	11,77493162
Ajmaline	15000	5,471851723	7,93656328	10,7135774	11,16381489
Ajmaline	150000	5,448786865	7,662595987	8,993816676	10,60598613
Ajmaline	1500000	5,431521584	7,348217485	8,741515656	10,73076066
Ceftriaxone	2317	5,490142507	7,984002743	11,14850285	11,7777356
Ceftriaxone	23170	5,489004386	7,963641176	11,00438016	11,64073677
Ceftriaxone	46340	5,48770795	7,949182971	10,91920089	11,53554201
Ceftriaxone	231700	5,47757055	7,84633272	10,27994921	11,17576502
Ceftriaxone	2317000	5,457604835	7,523884244	9,094588595	10,67125463
Ceftriaxone	23170000	5,448050685	7,423480344	8,704445045	10,53063619
Cibenzoline	97,6	5,490220944	7,985628458	11,15603679	11,77797624
Cibenzoline	976	5,48962982	7,972008895	11,03200506	11,64123297
Cibenzoline	1952	5,489199576	7,960175628	10,91679857	11,50838276
Cibenzoline	9760	5,486051322	7,896811729	10,33385667	10,92096932
Cibenzoline	97600	5,458641788	7,500670668	8,919681171	10,47519828
Cibenzoline	976000	5,42817969	7,369186835	8,732272506	10,68794207
Diazepam	2,9	5,490127932	7,986756157	11,16320827	11,7913923
Diazepam	29	5,490255238	7,986569566	11,16250935	11,79014287
Diazepam	58	5,490189321	7,986310695	11,16177192	11,7909582
Diazepam	290	5,490051055	7,985007525	11,1552031	11,78586572
Diazepam	2900	5,48940462	7,972182903	11,0820497	11,7179679
Diazepam	29000	5,480163917	7,909438622	10,69567241	11,4460721
Diltiazem 1	12,2	5,48997189	7,98417369	11,14921492	11,77916184
Diltiazem 1	122	5,489063162	7,966434633	11,01574132	11,66741212
Diltiazem 1	244	5,487520827	7,95565284	10,93866294	11,59330268
Diltiazem 1	1220	5,476341126	7,794850052	10,47691169	11,40855207
Diltiazem 1	12200	5,46670273	7,51460272	9,578380477	11,05426608
Diltiazem 1	122000	5,458061823	7,677996373	8,968583647	10,59389603
Diltiazem 2	12,2	5,489869736	7,982340817	11,14037004	11,77184829

Diltiazem 2	122	5,488010143	7,958887761	10,96077928	11,60385333
Diltiazem 2	244	5,484976462	7,939075499	10,81460202	11,52071297
Diltiazem 2	1220	5,472399012	7,664408149	10,18704112	11,31069366
Diltiazem 2	12200	5,466304978	7,506740847	9,340058357	10,84242549
Diltiazem 2	122000	5,45613907	7,532124925	8,75454234	10,45734332
Diltiazem CiPA	12,2	5,488341839	7,96101755	10,99125012	11,64023866
Diltiazem CiPA	122	5,47879113	7,862358883	10,65376975	11,46923717
Diltiazem CiPA	244	5,474916067	7,755326494	10,45441714	11,41814874
Diltiazem CiPA	1220	5,466396697	7,501819983	9,9364215	11,27985394
Diltiazem CiPA	12200	5,459600028	7,35507069	9,43051903	10,91987292
Diltiazem CiPA	122000	5,448039835	7,326071479	8,840855524	10,30998424
Duloxetine	1,6	5,490266235	7,986451256	11,16260909	11,79125967
Duloxetine	16	5,490163746	7,985441669	11,15814595	11,78485239
Duloxetine	32	5,490173393	7,984202592	11,15074675	11,77997121
Duloxetine	160	5,489754363	7,97522858	11,09007741	11,71607161
Duloxetine	1600	5,485006731	7,92167309	10,66011578	11,30614949
Duloxetine	16000	5,461496194	7,617937522	9,255467389	10,70455543
Lamivudine	1954	5,489954753	7,980997616	11,12182462	11,76638794
Lamivudine	19540	5,486955165	7,953110579	10,89982022	11,57602102
Lamivudine	39080	5,483028467	7,921179281	10,74184953	11,49757267
Lamivudine	195400	5,470483235	7,604495516	10,07733916	11,30291317
Lamivudine	1954000	5,466635446	7,527516878	9,366505037	10,86343146
Lamivudine	19540000	5,455271877	7,558011675	8,775317744	10,47511377
Linezolid	5911	5,489781847	7,978758761	11,12589913	11,74967684
Linezolid	59110	5,48467341	7,939718305	10,8166573	11,52546283
Linezolid	118220	5,479026382	7,868290529	10,61681827	11,44394827
Linezolid	591100	5,46924544	7,573646531	9,879934842	11,21821712
Linezolid	5911000	5,459612914	7,619405659	9,243625674	10,78702384
Linezolid	59110000	5,449139535	7,458639247	8,715733775	10,4773198
Loratadine	0,04	5,49026529	7,986829322	11,16329287	11,79183796
Loratadine	0,4	5,490284636	7,986641936	11,16329876	11,79291419
Loratadine	0,8	5,49014902	7,986674487	11,16322853	11,79221224
Loratadine	4	5,490227273	7,98646421	11,16289532	11,79618437
Loratadine	40	5,490096843	7,985705549	11,15959219	11,78949976
Loratadine	400	5,489825843	7,978330994	11,14380419	11,76303213
Mexiletine	412,9	5,490126064	7,985232686	11,15487443	11,78166362
Mexiletine	4129	5,48986482	7,973301071	11,06623145	11,68101478
Mexiletine	8258	5,489040663	7,958325906	10,98048283	11,55876212
Mexiletine	41290	5,484585801	7,892166927	10,47029185	11,03702276
Mexiletine	412900	5,456883607	7,503153999	8,980466791	10,53834104
Mexiletine	4129000	5,429251152	7,406715199	8,746654893	10,68237066
Mexiletine CiPA	412,9	5,490077935	7,982717892	11,167315	11,77637514
Mexiletine CiPA	4129	5,487115382	7,935977025	11,0559136	11,54189564
Mexiletine CiPA	8258	5,484286579	7,896255709	10,93952612	11,37451282
Mexiletine CiPA	41290	5,467878264	7,711457478	10,50034342	11,14113102
Mexiletine CiPA	412900	5,443423575	7,175778154	9,377580193	10,89795941
Mexiletine CiPA	4129000	5,443666861	7,176584639	9,193661834	10,78006688
Mibefradil 1	1,2	5,490184035	7,986289378	11,1612349	11,79047539
Mibefradil 1	12	5,490049397	7,982696211	11,14361704	11,77522252
Mibefradil 1	24	5,489908612	7,978849003	11,11320552	11,75714404

Mibefradil 1	120	5,488322607	7,959680909	10,9975345	11,62437756
Mibefradil 1	1200	5,474236362	7,757101043	10,24453443	11,28165301
Mibefradil 1	12000	5,457433973	7,581581065	9,294565625	10,83900491
Mibefradil 2	1,2	5,490151955	7,985421206	11,15730379	11,7859566
Mibefradil 2	12	5,489536525	7,975114624	11,07826467	11,71822006
Mibefradil 2	24	5,489095701	7,965771701	11,00993982	11,65279077
Mibefradil 2	120	5,482254683	7,909137164	10,64861717	11,39861727
Mibefradil 2	1200	5,467974247	7,552484749	9,458717944	10,87230183
Mibefradil 2	12000	5,456805265	7,543108175	8,792702103	10,48484498
Mitoxantrone	22,5	5,490115109	7,986534696	11,16234151	11,79115834
Mitoxantrone	225	5,490014146	7,985030676	11,15305863	11,78490574
Mitoxantrone	450	5,489993634	7,983244861	11,13254757	11,77315458
Mitoxantrone	2250	5,489368936	7,971297129	11,05385406	11,69087939
Mitoxantrone	22500	5,480430427	7,875178116	10,48735684	11,28333198
Mitoxantrone	225000	5,466643931	7,506379598	9,212785442	10,69677405
Nifedipinel 1	0,8	5,489685883	7,978016565	11,10240251	11,74726396
Nifedipinel 1	8	5,483298295	7,927257484	10,78634214	11,52873058
Nifedipinel 1	16	5,477394827	7,822790485	10,57944865	11,47149043
Nifedipinel 1	80	5,466590566	7,495824721	9,918151649	11,36798709
Nifedipinel 1	800	5,463050702	7,466518685	9,769424542	11,30591979
Nifedipinel 1	8000	5,460923103	7,478180767	9,720821766	11,24192638
Nifedipinel 2	0,77	5,490062457	7,98486895	11,15256778	11,78180526
Nifedipinel 2	7,7	5,48923909	7,970203681	11,04928019	11,69606759
Nifedipinel 2	15,4	5,488169132	7,960837921	10,97398766	11,62713279
Nifedipinel 2	77	5,477707449	7,831037283	10,6011176	11,47385387
Nifedipinel 2	770	5,464858866	7,448197543	9,750603945	11,32023853
Nifedipinel 2	7700	5,462170896	7,480926897	9,676413181	11,18307436
Nitrendipine 1	0,3	5,490018613	7,984836183	11,1530729	11,78394006
Nitrendipine 1	3	5,489290461	7,970800385	11,04405886	11,70131611
Nitrendipine 1	6	5,488422149	7,961996508	10,98142041	11,63447781
Nitrendipine 1	30	5,478308963	7,844741235	10,61297928	11,47751712
Nitrendipine 1	300	5,464872896	7,452027904	9,765416122	11,32758081
Nitrendipine 1	3000	5,463081067	7,4901753	9,717906135	11,21561507
Nitrendipine 2	0,302	5,480698014	7,898088501	10,71678404	11,50598353
Nitrendipine 2	3,02	5,465673845	7,470849646	9,842563659	11,35499961
Nitrendipine 2	6,04	5,464386888	7,440099913	9,72648356	11,32418189
Nitrendipine 2	30,2	5,462169965	7,466852057	9,78190995	11,31536504
Nitrendipine 2	302	5,459485008	7,450505703	9,75339268	11,3085481
Nitrendipine 2	3020	5,461090256	7,483478045	9,717922803	11,23831884
Pentobarbital	517,1	5,490235798	7,986514702	11,16185624	11,79408826
Pentobarbital	5171	5,490074888	7,983781572	11,14790678	11,77869266
Pentobarbital	10342	5,489902608	7,980700443	11,12179396	11,76435506
Pentobarbital	51710	5,488960596	7,964820707	11,00352402	11,65360303
Pentobarbital	517100	5,476244687	7,807933778	10,3661167	11,30249162
Pentobarbital	5171000	5,460072846	7,56000217	9,312337293	10,8290402
Phenytoin 1	436	5,490019917	7,983053794	11,13240468	11,77326597
Phenytoin 1	4360	5,488649591	7,958312143	10,97094048	11,59319091
Phenytoin 1	8720	5,486804372	7,939927832	10,81208357	11,46453871
Phenytoin 1	43600	5,475622974	7,780988181	10,0424311	11,06133429
Phenytoin 1	436000	5,459089664	7,472033941	8,955960121	10,56929864

Phenytoin 1	4360000	5,438648171	7,390547186	8,710909957	10,59360932
Phenytoin 2	450	5,490200939	7,985496848	11,15642269	11,78305242
Phenytoin 2	4500	5,489766825	7,97350658	11,05077405	11,66722721
Phenytoin 2	9000	5,489148219	7,959688715	10,96285591	11,54932706
Phenytoin 2	45000	5,485496238	7,891372283	10,41700116	11,01004193
Phenytoin 2	450000	5,459352649	7,477729428	8,955775219	10,50101782
Phenytoin 2	4500000	5,430699391	7,411125758	8,744271578	10,67425089
Prenylamine	1,7	5,490122504	7,985369367	11,16244276	11,79485549
Prenylamine	17	5,489550139	7,975564908	11,20066777	11,82119203
Prenylamine	34	5,488830532	7,969278178	11,22383146	11,84793973
Prenylamine	170	5,479665483	7,956079796	11,17923927	11,93910277
Prenylamine	1700	5,46249152	7,915188377	10,40422233	11,36469095
Prenylamine	17000	5,450180721	7,530131738	9,048990094	10,69958714
Propanolol	2,6	5,490164121	7,986663501	11,16259104	11,79041366
Propanolol	26	5,490246317	7,985668156	11,15787972	11,78067915
Propanolol	52	5,490117743	7,984041311	11,13764268	11,7696598
Propanolol	260	5,489566744	7,973050888	11,06213463	11,67784079
Propanolol	2600	5,485643013	7,914453004	10,59798179	11,04814354
Propanolol	26000	5,461390418	7,653095664	9,045120998	10,48764576
Ribavirin	2788	5,49021289	7,985816337	11,15921434	11,79154943
Ribavirin	27880	5,489742958	7,978076659	11,12264918	11,75552638
Ribavirin	55760	5,489482515	7,971569345	11,06799998	11,71183366
Ribavirin	278800	5,485889392	7,944286087	10,84863999	11,50536448
Ribavirin	2788000	5,465402472	7,681307698	9,710164242	11,01551955
Ribavirin	27880000	5,453367813	7,565066908	8,903706152	10,5878837
Sitagliptin	44,2	5,490254123	7,986666345	11,16296758	11,79380013
Sitagliptin	442	5,490199913	7,986197141	11,16061774	11,79100054
Sitagliptin	884	5,490149389	7,985438699	11,15908374	11,78898001
Sitagliptin	4420	5,489956493	7,981062766	11,15314531	11,77085108
Sitagliptin	44200	5,487285425	7,955652437	10,96152208	11,60232097
Sitagliptin	442000	5,468887386	7,743950973	10,10871082	11,2515361
Telbivudine	1972	5,490234266	7,98583853	11,15990168	11,79173644
Telbivudine	19720	5,489894942	7,980070978	11,13413089	11,76437204
Telbivudine	39440	5,489645329	7,973288474	11,09421228	11,73610631
Telbivudine	197200	5,487335498	7,942741816	10,90875314	11,50536361
Telbivudine	1972000	5,464820224	7,774538609	9,622936784	10,86458019
Telbivudine	19720000	5,44838816	7,507246679	8,821685353	10,56913903
Verapamil 1	8,8	5,489739547	7,979071276	11,13362035	11,76541598
Verapamil 1	88	5,485651916	7,955210537	10,96305383	11,61406603
Verapamil 1	176	5,480393437	7,923446475	10,820488	11,55934565
Verapamil 1	880	5,464713145	7,682901702	10,19746336	11,46828788
Verapamil 1	8800	5,456398406	7,665977698	9,831227399	11,32658202
Verapamil 1	88000	5,453611305	7,775146636	9,223585345	10,80611591
Verapamil 2	8,1	5,489505951	7,974565411	11,10623434	11,74514759
Verapamil 2	81	5,481261607	7,929976647	10,82753682	11,55929427
Verapamil 2	162	5,475899952	7,841486248	10,6095653	11,51287067
Verapamil 2	810	5,460413432	7,632093688	10,0185341	11,46209531
Verapamil 2	8100	5,457172441	7,712554051	9,888395006	11,35680744
Verapamil 2	81000	5,452712369	7,774066135	9,328353259	10,8878729
Verapamil CiPA	8,1	5,48990219	7,980770148	11,15393405	11,77792765

Verapamil CiPA	81	5,486350597	7,955075895	10,97852917	11,62033685
Verapamil CiPA	162	5,481134198	7,927810584	10,83407303	11,55722671
Verapamil CiPA	810	5,465325519	7,636815985	10,14759188	11,41246962
Verapamil CiPA	8100	5,451031591	7,469373108	9,641270762	11,12245153
Verapamil CiPA	81000	5,439957757	7,201283424	9,269022428	10,86135253
Amitriptyline	4,1	5,490144154	7,986462728	11,16278983	11,79140839
Amitriptyline	41	5,490237342	7,985193641	11,16081115	11,78912259
Amitriptyline	82	5,490111457	7,984168886	11,16951302	11,78646931
Amitriptyline	410	5,489653603	7,976192317	11,14121045	11,76358078
Amitriptyline	4100	5,48471278	7,938478879	10,95547013	11,54425556
Amitriptyline	41000	5,459629592	7,744068042	9,553370755	10,89689347
Astemizole	0,03	5,490125295	7,986472278	11,1633998	11,79830316
Astemizole	0,3	5,490083852	7,983630349	11,18952382	11,80693141
Astemizole	0,6	5,489882013	7,980653735	11,2015454	11,82407747
Astemizole	3	5,488692275	7,970727492	11,28925614	11,99377993
Astemizole	30	5,475409554	7,993136657	11,27024157	12,49118354
Astemizole	300	5,451328736	8,369097651	11,70638858	12,58270253
Chlorpromazine 1	3,8	5,490196345	7,986217032	11,16175497	11,79303605
Chlorpromazine 1	38	5,490100573	7,98360739	11,14940751	11,77516484
Chlorpromazine 1	76	5,490008341	7,979920044	11,13462612	11,76095797
Chlorpromazine 1	380	5,488718084	7,956983269	11,0230383	11,61058696
Chlorpromazine 1	3800	5,474237568	7,872527462	10,08213515	10,95441599
Chlorpromazine 1	38000	5,449197565	7,487700368	8,914976338	10,61152537
Chlorpromazine CiPA	3,8	5,490132477	7,985468694	11,16145938	11,79365614
Chlorpromazine CiPA	38	5,489882466	7,979461758	11,17661381	11,78892719
Chlorpromazine CiPA	76	5,489625905	7,974798937	11,18075746	11,78874015
Chlorpromazine CiPA	380	5,487706196	7,951979919	11,1508805	11,76475704
Chlorpromazine CiPA	3800	5,472335356	7,823727144	10,43979142	10,95628245
Chlorpromazine CiPA	38000	5,369699291	5,922341663	7,021475374	9,166261335
Cisapride 1	0,3	5,490108965	7,986189536	11,1634656	11,79336146
Cisapride 1	3	5,489915654	7,980931618	11,20195375	11,82633266
Cisapride 1	6	5,489428521	7,976209657	11,22367154	11,85116585
Cisapride 1	30	5,486639858	7,967641191	11,27266648	12,12958314
Cisapride 1	300	5,472747907	8,043033369	11,33472334	12,65823318
Cisapride 1	3000	5,453862182	8,378597535	11,75771009	12,76085811
Cisapride CiPA	0,26	5,489872451	7,980786662	11,18667148	11,8162913
Cisapride CiPA	2,6	5,488974599	7,970623962	11,24264866	11,91117881
Cisapride CiPA	5,2	5,488658836	7,967786593	11,27567113	11,99469795
Cisapride CiPA	26	5,482779963	7,961416956	11,25546327	12,19812132
Cisapride CiPA	260	5,473963641	8,008955441	11,2929984	12,72073145
Cisapride CiPA	2600	5,455457162	8,353094046	11,82190569	14,53041621
Clozapine	7,1	5,490124504	7,986193871	11,16151681	11,7957119
Clozapine	71	5,489893292	7,982282476	11,15948801	11,77771849
Clozapine	142	5,489856214	7,978093476	11,14289443	11,76522079
Clozapine	710	5,488061928	7,957564141	11,04938456	11,65300387
Clozapine	7100	5,468981434	7,829879	10,23615326	11,24702019
Clozapine	71000	5,45282147	7,557900164	9,106494211	10,72837975
Dasatinib	4,1	5,490267981	7,986735114	11,16314383	11,79134547
Dasatinib	41	5,490105515	7,986371544	11,16252686	11,79077024
Dasatinib	82	5,490229685	7,986309759	11,16199953	11,79384966

Dasatinib	410	5,490136056	7,984786768	11,1589906	11,78563736
Dasatinib	4100	5,489433244	7,970287362	11,11654889	11,72501097
Dasatinib	41000	5,481823705	7,911271954	10,70300004	11,28588685
Desipramine	10,8	5,490149189	7,984653041	11,15428498	11,78127836
Desipramine	108	5,48953079	7,970666125	11,06026177	11,67692528
Desipramine	216	5,488785108	7,95546273	10,97340334	11,56906858
Desipramine	1080	5,483439194	7,894194242	10,45014382	11,09539351
Desipramine	10800	5,456921944	7,49646058	9,014457097	10,58091328
Desipramine	108000	5,434333381	7,422990259	8,738507424	10,63964735
Diphenhydramine	3,4	5,49022759	7,986635826	11,16310572	11,79324673
Diphenhydramine	34	5,490147035	7,98631659	11,16287171	11,79324052
Diphenhydramine	68	5,490195545	7,985975429	11,1624681	11,79382483
Diphenhydramine	340	5,490111149	7,983496392	11,17264482	11,79671899
Diphenhydramine	3400	5,488605183	7,964557892	11,21262754	11,81271096
Diphenhydramine	34000	5,474608957	7,931889529	11,04590547	11,49525978
Droperidol	1,6	5,490182495	7,985512348	11,16384432	11,79783058
Droperidol	16	5,489515339	7,97690293	11,21186477	11,83922447
Droperidol	32	5,489078267	7,972696756	11,25950793	11,91926432
Droperidol	160	5,480299153	7,964582757	11,24831554	12,22511856
Droperidol	1600	5,394203281	8,079853611	11,34873637	12,35466064
Droperidol	16000	5,458224673	7,87425178	10,21748181	11,35836534
Fluvoxamine	37,7	5,490159601	7,984935281	11,15907052	11,79028912
Fluvoxamine	377	5,489364379	7,972114511	11,12711452	11,74773603
Fluvoxamine	754	5,488508971	7,963344788	11,06931575	11,69773363
Fluvoxamine	3770	5,480545747	7,930878342	10,83818643	11,53176821
Fluvoxamine	37700	5,457045667	7,652026279	9,656246212	11,1004411
Fluvoxamine	377000	5,453581617	7,626614272	8,893667665	10,58129838
Imipramine	10,6	5,490217244	7,986117776	11,16078433	11,79148741
Imipramine	106	5,490129156	7,982163718	11,12849	11,76312347
Imipramine	212	5,489869371	7,9768704	11,10616726	11,72668383
Imipramine	1060	5,488172239	7,944568789	10,90134685	11,46421824
Imipramine	10600	5,472381093	7,832911284	9,596212435	10,66450751
Imipramine	106000	5,444790369	7,471672635	8,785486423	10,56674553
Metronidazole	18700	5,489347142	7,971153561	11,04676796	11,70525963
Metronidazole	187000	5,479736958	7,880831548	10,60453664	11,40831736
Metronidazole	374000	5,474891642	7,755010367	10,28546055	11,29477171
Metronidazole	1870000	5,467071035	7,552462913	9,525457803	10,96815275
Metronidazole	18700000	5,456491492	7,624089953	8,866235966	10,53719399
Metronidazole	187000000	5,431580231	7,304980345	8,67893131	10,6048485
Nilotinib	17,2	5,490174777	7,985783304	11,16213244	11,79597665
Nilotinib	172	5,489783193	7,978472992	11,20283675	11,80376564
Nilotinib	344	5,489263851	7,971872948	11,20213351	11,81065137
Nilotinib	1720	5,483918499	7,949519581	11,18101058	11,82647643
Nilotinib	17200	5,465724323	7,921487808	10,2676322	11,14064179
Nilotinib	172000	5,446917876	7,507551633	8,941782702	10,64604766
Ondansetron CiPA	13,9	5,490138322	7,985335461	11,16107883	11,79180809
Ondansetron CiPA	139	5,489706414	7,978150108	11,18727797	11,79147483
Ondansetron CiPA	278	5,489400379	7,972457606	11,18834106	11,79576833
Ondansetron CiPA	1390	5,486450409	7,950249142	11,19138765	11,79908582
Ondansetron CiPA	13900	5,465618267	7,865460248	10,75964504	11,37280233

Ondansetron CiPA	139000	5,444464377	7,454505362	8,703743052	10,04039497
Paliperidone	6,9	5,490254796	7,98634751	11,16335706	11,79646057
Paliperidone	69	5,490005782	7,982982425	11,18979098	11,81123316
Paliperidone	138	5,48978541	7,979620301	11,20155458	11,82509818
Paliperidone	690	5,488367597	7,96930021	11,28335831	12,00892604
Paliperidone	6900	5,474862001	7,996960233	11,26276886	12,43221605
Paliperidone	69000	5,447187745	8,342589049	11,3611601	12,0326822
Paroxetine	1,4	5,49017838	7,986471327	11,16291248	11,79254438
Paroxetine	14	5,490115578	7,985566305	11,16068476	11,78854791
Paroxetine	28	5,490084819	7,984741052	11,16141257	11,78550474
Paroxetine	140	5,489764916	7,977980615	11,15561334	11,76371522
Paroxetine	1400	5,485809893	7,944047181	10,94755794	11,54569535
Paroxetine	14000	5,461411894	7,740176214	9,668252607	10,97121356
Pimozide 1	0,05	5,490117978	7,986519911	11,16303038	11,79162887
Pimozide 1	0,5	5,490159567	7,985668312	11,16149025	11,7924284
Pimozide 1	1	5,490179957	7,984778055	11,17237391	11,7901416
Pimozide 1	5	5,489837751	7,97860668	11,17043217	11,79216391
Pimozide 1	50	5,485748287	7,955369571	11,14540456	11,77822332
Pimozide 1	500	5,462279038	7,839777159	10,2981298	11,37571975
Pimozide 2	0,1	5,490105908	7,986154356	11,16189893	11,792497
Pimozide 2	1	5,49010696	7,982908591	11,16446512	11,7759876
Pimozide 2	2	5,489936693	7,978865641	11,15239022	11,76452789
Pimozide 2	10	5,488169213	7,953749361	11,07931101	11,6361686
Pimozide 2	100	5,473047082	7,886271642	10,20881636	10,93196004
Pimozide 2	1000	5,446279352	7,52053552	8,899918646	10,61084119
Piperacillin	137800	5,48924576	7,966717516	11,03312898	11,65165819
Piperacillin	1378000	5,480285977	7,873640641	10,28975136	11,10015784
Piperacillin	2756000	5,474933252	7,786765026	9,792851628	10,89372658
Piperacillin	13780000	5,458486766	7,481131857	9,01014835	10,59308932
Piperacillin	137800000	5,436734234	7,439164591	8,743828331	10,62533138
Piperacillin	1378000000	5,465537711	7,304376307	8,725538295	10,77387953
Propafenone	24,1	5,490081401	7,981557254	11,15773907	11,77247617
Propafenone	241	5,487823429	7,946841897	11,01668576	11,57195727
Propafenone	482	5,485733923	7,926005756	10,86724919	11,40971994
Propafenone	2410	5,468650991	7,860934828	9,819439382	10,84896201
Propafenone	24100	5,445571645	7,494186295	8,844281816	10,59770003
Propafenone	241000	5,442359564	7,284125629	8,687468972	10,67296888
Quetiapine	3,3	5,490243529	7,98643385	11,16285368	11,79223924
Quetiapine	33	5,490124697	7,985721065	11,15956589	11,79054299
Quetiapine	66	5,49022483	7,984870689	11,1567944	11,78765614
Quetiapine	330	5,489832566	7,978883167	11,13196312	11,75901465
Quetiapine	3300	5,486670995	7,939492293	10,88374228	11,4888275
Quetiapine	33000	5,463078529	7,749841371	9,561839911	10,85436454
Raltegravir	700	5,490134048	7,986106805	11,16044788	11,79173286
Raltegravir	7000	5,489966	7,981475038	11,13679136	11,76484727
Raltegravir	14000	5,489751831	7,976717641	11,09913727	11,73625649
Raltegravir	70000	5,487780026	7,948941347	10,89768964	11,53797667
Raltegravir	700000	5,473182175	7,737779236	9,826913304	10,98226781
Raltegravir	7000000	5,454866174	7,50527497	8,90906765	10,57448698
Ranolazine CiPA	194,82	5,489883564	7,981255693	11,17292478	11,77252166

Ranolazine CiPA	1948,2	5,488087185	7,949630637	11,18436433	11,66151043
Ranolazine CiPA	3896,4	5,486812378	7,926330231	11,18395665	11,63063933
Ranolazine CiPA	19482	5,480351419	7,844720436	11,09249484	11,42534162
Ranolazine CiPA	194820	5,466748361	7,763307327	9,208698125	9,770665438
Ranolazine CiPA	1948200	5,370192596	5,876729069	6,922116851	8,998385759
Risperidone 1	0,2	5,490246828	7,98667868	11,16324744	11,79491291
Risperidone 1	2	5,490268009	7,986452136	11,16341665	11,79473154
Risperidone 1	4	5,490239869	7,986224213	11,16345283	11,79333196
Risperidone 1	20	5,489968113	7,983552133	11,18918828	11,80678603
Risperidone 1	200	5,488545532	7,970107284	11,28559303	11,98703289
Risperidone 1	2000	5,475084609	7,989240761	11,2477627	12,37336471
Risperidone 2	0,181	5,490182975	7,986723932	11,16327759	11,79448434
Risperidone 2	1,81	5,490115641	7,986228092	11,16352015	11,79397082
Risperidone 2	3,62	5,490225039	7,98568341	11,16387557	11,79935602
Risperidone 2	18,1	5,48991757	7,981809767	11,20387871	11,81583167
Risperidone 2	181	5,487783989	7,96841358	11,27790951	12,07278847
Risperidone 2	1810	5,473842687	8,023179757	11,30633654	12,59306075
Saquinavir	13	5,490189263	7,985377151	11,15805715	11,78505685
Saquinavir	130	5,489629514	7,976583615	11,08744554	11,72451633
Saquinavir	260	5,489117459	7,967664774	11,03348961	11,67060202
Saquinavir	1300	5,483790102	7,922551286	10,70580675	11,4254185
Saquinavir	13000	5,468408814	7,570785206	9,518176459	10,90804245
Saquinavir	130000	5,456640904	7,558629742	8,824947844	10,50699481
Sertindole 1	0,2	5,490093753	7,986591724	11,1633965	11,79520379
Sertindole 1	2	5,489996669	7,984256964	11,17777532	11,80414945
Sertindole 1	4	5,48996191	7,981734391	11,20311961	11,81848436
Sertindole 1	20	5,488933449	7,972176757	11,26948888	11,96098879
Sertindole 1	200	5,476003489	7,981013033	11,25149847	12,40080741
Sertindole 1	2000	5,446840657	8,346255539	11,58424476	12,30188451
Sertindole 2	0,159	5,490103095	7,986411516	11,16336757	11,7941175
Sertindole 2	1,59	5,490045425	7,982113663	11,20287964	11,81820886
Sertindole 2	3,18	5,489651726	7,978254962	11,2127299	11,83744195
Sertindole 2	15,9	5,487860406	7,968067286	11,27805791	12,05869858
Sertindole 2	159	5,474232391	8,014224665	11,28962965	12,51734868
Sertindole 2	1590	5,454863484	8,369395696	11,59736172	12,18189422
Solifenacin	0,3	5,490116767	7,986638708	11,1629991	11,7916951
Solifenacin	3	5,490135893	7,985904004	11,16191345	11,79072455
Solifenacin	6	5,490231259	7,985373014	11,16309564	11,78978055
Solifenacin	30	5,489917922	7,980506179	11,17611875	11,78274648
Solifenacin	300	5,487087091	7,948200088	11,14793048	11,7083768
Solifenacin	3000	5,469456187	7,902001137	10,16871314	10,9612772
Sunitinib	1,3	5,490155308	7,986515838	11,1631428	11,79188412
Sunitinib	13	5,490099962	7,986192414	11,16271391	11,79493649
Sunitinib	26	5,490090439	7,985464482	11,16222606	11,79495012
Sunitinib	130	5,489945997	7,981191398	11,18425587	11,8072999
Sunitinib	1300	5,487653872	7,959012435	11,23511239	11,85622108
Sunitinib	13000	5,4709018	7,940436798	10,88189514	11,42916939
Terfenadine 1	0,9	5,490120858	7,985829848	11,16270685	11,7942205
Terfenadine 1	9	5,489702552	7,978330708	11,20652895	11,81402696
Terfenadine 1	18	5,48925848	7,972688889	11,20966634	11,82800895

Terfenadine 1	90	5,483594868	7,958161147	11,20559031	11,95681976
Terfenadine 1	900	5,464945732	7,942233398	10,69853954	11,51140513
Terfenadine 1	9000	5,451551274	7,585078252	9,181224688	10,77182769
Terfenadine 2	0,9	5,49005431	7,982407882	11,18952015	11,81924238
Terfenadine 2	9	5,48786093	7,966369242	11,26595127	11,9969587
Terfenadine 2	18	5,482466777	7,962144379	11,2353011	12,09937457
Terfenadine 2	90	5,472020551	7,988996221	11,18119464	12,08042185
Terfenadine 2	900	5,457998504	7,847810835	10,04942047	11,24732477
Terfenadine 2	9000	5,449751839	7,533987446	8,953819121	10,64775492
Terfenadine CiPA	0,4	5,489911316	7,982142759	11,18903269	11,81175521
Terfenadine CiPA	4	5,489313537	7,972565637	11,22844195	11,85110221
Terfenadine CiPA	8	5,488747851	7,968234619	11,25870408	11,91620059
Terfenadine CiPA	40	5,486219645	7,956557791	11,23197445	12,0074622
Terfenadine CiPA	400	5,470304506	7,933015711	11,03578196	11,74313935
Terfenadine CiPA	4000	5,452907816	7,613691373	9,606839197	10,9633483
Voriconazole	756,3	5,49021	7,986356946	11,16160055	11,79414762
Voriconazole	7563	5,489909729	7,982992966	11,14712332	11,77594263
Voriconazole	15126	5,489790744	7,979543107	11,13084121	11,76138681
Voriconazole	75630	5,488630327	7,959468356	11,01214897	11,63015255
Voriconazole	756300	5,47512439	7,835302605	10,21487852	11,1841568
Voriconazole	7563000	5,454028411	7,53931893	9,081788902	10,69722666
Control	0	5,490217599	7,986631923	11,16330076	11,79184114

Ko 20	Ko meseta	t Ko meseta (min)	Vrep 0	Vrep 2.5	Vrep 5
13,48358954	11,74487874	7,841553386	-87,54369207	-76,95403572	-67,59662683
13,48377126	11,73930446	7,858232791	-87,54360424	-76,95414707	-67,59717377
13,48372884	11,73792831	7,874915175	-87,54365929	-76,95477901	-67,59843819
5,544783141	0	0	-87,68976982	-87,56987249	-87,48156603
13,49627681	11,70852507	7,658140844	-87,54344496	-76,98871722	-67,65149809
13,63233401	11,42552151	6,807697834	-87,56078939	-77,08912008	-68,013203
13,48361428	11,74058458	7,858231789	-87,54365211	-76,95428479	-67,59677153
13,4870638	11,75351546	7,774866243	-87,5433145	-76,95736797	-67,5995078
13,49072912	11,75809402	7,724818196	-87,54291928	-76,96091703	-67,56812892
13,51570007	11,768031	7,608066461	-87,54031907	-76,98430652	-67,52994789
13,72440612	11,81108816	7,291064531	-87,54469494	-77,06179081	-67,57560032
14,10861036	11,37058754	8,508285566	-87,64433715	-77,46649636	-69,14087827
13,48633088	11,7445862	7,758180807	-87,54329707	-76,95978827	-67,57375828
13,51431108	11,73302646	7,558061809	-87,53975225	-76,99853023	-67,57262295
13,54370882	11,72623586	7,39126261	-87,53835228	-77,02797321	-67,55336647
13,67776454	11,50513747	6,957641572	-87,55438199	-77,11499576	-67,89858751
13,76973412	10,89807535	9,475454102	-87,67303486	-77,8368114	-71,73072706
13,74058862	0	0	-87,76139074	-78,73164985	-74,2991854
13,50216313	11,75198306	7,674782299	-87,54185161	-76,97620514	-67,55662802
13,65019283	11,76432925	7,291139515	-87,54080404	-77,04991549	-67,53145022
13,75889495	11,68191145	7,157725238	-87,55424497	-77,06680473	-67,70044973
14,04767777	11,23364863	7,591310094	-87,63376099	-77,39664785	-68,93113122
14,03252577	11,39091962	10,84257494	-87,7329572	-78,31714406	-71,90109813
13,6428587	7,722575826	2,546189069	-87,75693902	-78,23550279	-74,13119138
13,49972425	11,74405175	7,708143906	-87,54208369	-76,97515905	-67,56128518
13,6026331	11,81031001	7,374524709	-87,53609024	-77,03159625	-67,44253177
13,67941383	11,88419192	7,374414954	-87,53747959	-77,05360372	-67,47374774
13,82013694	11,77443933	7,257624388	-87,56127694	-77,09368668	-67,72148397
13,04186022	10,04194383	6,257195189	-87,64335122	-77,7566667	-71,34105228
12,94464549	0	0	-88,14926	-84,79366214	-79,9741057
13,4834963	11,74472746	7,841553429	-87,54367185	-76,9543388	-67,59703491
13,48425599	11,73871953	7,841557932	-87,54349396	-76,95647639	-67,60085113
13,4850784	11,55533425	6,007399631	-87,54331856	-76,95918321	-67,59868707
13,49142796	11,73231815	7,708148274	-87,54163182	-76,97617769	-67,59620802
13,55005187	11,6154487	7,207845453	-87,54046197	-77,09216123	-67,74276255
13,58924091	10,47900025	7,141299207	-87,61641871	-77,38376413	-70,73616249
13,48479295	11,74901156	7,791527703	-87,54350749	-76,95492389	-67,59694798
13,49161523	11,74762295	7,791543688	-87,54228263	-76,96203829	-67,56483361
13,49893479	11,77063984	7,708133854	-87,54052754	-76,97041517	-67,53640933
13,5529612	11,82549407	7,457913306	-87,5340799	-77,01683978	-67,45312606
13,66553392	11,76409881	7,224264711	-87,53624787	-77,09036184	-67,6902907
13,43557244	9,771135483	5,123946373	-87,57750204	-77,26769972	-71,57903068
13,48538905	11,75007427	7,824891488	-87,54344864	-76,95459347	-67,59588751
13,49831679	11,77073363	7,741476033	-87,54174532	-76,96262258	-67,55150689
13,51134643	11,63518772	5,990671928	-87,53996253	-76,9717731	-67,49041285
13,63736439	11,98682393	7,691334267	-87,53078002	-77,0025229	-67,28262064
14,02966903	12,60937856	8,341218095	-87,535366	-76,93506635	-67,32425784
14,92113164	13,02438357	7,874263183	-18,45864855	-75,69788381	-66,11384989
13,49225017	11,76301834	7,758165342	-87,54245218	-76,95924233	-67,56335201

13,56747039	11,85825973	7,541302836	-87,53443057	-76,99112021	-67,36509153
13,65814675	12,00481291	7,69132204	-87,52948552	-77,00557272	-67,26985692
13,93536156	12,48959716	8,207882551	-87,53263926	-76,98917598	-67,34448363
14,95571094	13,4229784	8,341079347	-18,85177738	-75,67798289	-66,04937015
15,02813575	13,32965108	8,174342211	-18,22053071	-75,7276314	-66,03853763
13,48788615	11,75321586	7,791536544	-87,54286908	-76,97024239	-67,56495929
13,58191306	11,90825271	8,208186129	-87,53786532	-77,02642242	-67,37115354
13,66272896	11,81300393	5,891077404	-87,53725999	-77,06093139	-67,34233431
13,9023777	12,31109821	7,8412165	-87,55219604	-77,11569028	-67,54492061
14,06647051	11,18630113	6,608054543	-87,64786873	-77,05499443	-68,46444879
14,19918139	0	0	-85,51832779	-78,20746065	-72,98259334
13,4836342	11,52756793	5,890748711	-87,54368464	-76,9539471	-67,59645547
13,48450807	11,74167706	7,841557569	-87,54352766	-76,9544002	-67,59630321
13,48602867	11,75117504	7,808195643	-87,54343226	-76,95521506	-67,59648508
13,49181904	11,75253497	7,791541462	-87,54246715	-76,96055124	-67,56165811
13,56533082	11,84412555	7,541309797	-87,53458921	-76,99798485	-67,38783312
13,86195395	12,1411731	7,624416679	-87,53933478	-77,03492736	-67,51471479
13,48475693	11,74157763	7,724828083	-87,54233515	-76,96457732	-67,57922857
13,49591165	11,69825027	7,374582761	-87,53799527	-77,04767999	-67,60249932
13,50425559	11,6479666	6,874312605	-87,53633114	-77,09609687	-67,68262708
13,42466693	10,89788006	6,357475726	-87,55377717	-77,26031431	-68,76396921
13,63926976	0	0	-87,68656402	-78,47429023	-73,71492031
14,14734525	0	0	-87,90420395	-79,32067109	-74,66767913
13,49238366	11,74230966	7,741508232	-87,54293541	-76,96541154	-67,57800818
13,56655552	11,73488487	7,407957805	-87,53940586	-77,02609339	-67,55871627
13,64207935	11,72886443	7,274493836	-87,54395854	-77,05251963	-67,59848961
13,95629767	11,35950844	6,774287142	-87,60440616	-77,19130384	-68,17544404
14,31023472	14,45260782	20,43968597	-87,71479781	-78,19176132	-70,70680069
14,07411954	0	0	-87,74358023	-78,01661785	-71,57791402
13,48617043	11,74903315	7,808219849	-87,54337498	-76,9553249	-67,59644472
13,50404797	11,77741362	7,691442987	-87,54084568	-76,96856248	-67,52769899
13,52398679	11,7957569	7,608054369	-87,53869776	-76,98203709	-67,43838641
13,67440643	11,98909048	7,607919744	-87,53221794	-77,02775985	-67,34648706
13,9796246	11,86664221	7,307631589	-87,56651439	-76,98717976	-67,66419798
13,9327982	11,23952826	10,04228155	-87,67402274	-77,69240128	-71,00037451
13,4865458	11,58374986	6,074081197	-87,54322427	-76,9556179	-67,59588808
13,51137149	11,78901191	7,624742577	-87,53996608	-76,97273108	-67,49446447
13,53876775	11,81598146	7,608027295	-87,5375234	-76,98700284	-67,46922729
13,72292908	12,0896322	7,641199521	-87,52977971	-77,02124139	-67,33919139
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13,66063885	0	0	-87,65223827	-77,6389093	-72,23479496
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13,51728476	11,7493609	7,491330784	-87,53879547	-77,00602957	-67,51303639

13,5960132	11,67907128	7,20772499	-87,53956613	-77,10332284	-67,69063717
13,60122216	10,41926534	7,007903238	-87,61637777	-77,35129968	-70,84951254
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13,48502486	11,73539828	7,824886515	-87,54371638	-76,96014607	-67,60566641
13,49883211	11,70038836	7,558058067	-87,54361242	-77,00271799	-67,65904749
13,51578088	11,64424531	7,841436326	-87,54452167	-77,03394265	-67,74039549
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13,46655021	11,51874479	7,308020585	-87,54663104	-77,05271349	-67,95328418
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13,5419608	11,81126344	7,574695871	-87,53679055	-76,99262478	-67,46637309
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13,89827547	12,11331823	7,557694833	-87,54396964	-77,01618354	-67,55064514
13,87540375	11,19534482	6,857601636	-87,58826118	-77,00277219	-68,39385369
13,7059863	0	0	-87,7070444	-78,48679976	-73,32561594
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13,55637218	11,78009261	7,491300282	-87,53978435	-77,02537207	-67,53098982
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13,50871038	11,28850669	6,940826975	-87,58285145	-77,43001984	-68,20803248
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13,62238859	11,67559036	7,224498371	-87,54514604	-77,05490242	-67,68292761
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13,71028315	11,06193149	7,858238074	-87,64280528	-77,66573297	-69,45205539
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13,48234461	11,72533204	7,791520733	-87,54462298	-76,96481286	-67,6367527
13,47987204	11,7068108	7,741498494	-87,54554913	-76,97633505	-67,70470206
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13,64566643	11,06668705	8,608506114	-87,63917846	-77,62387479	-69,7673626
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13,47853639	11,71995005	7,808220458	-87,54480156	-76,9678342	-67,67762933
13,44975099	11,2296383	5,590843629	-87,55463298	-77,06157793	-68,10433643
13,44784426	11,20849484	6,974602839	-87,56672445	-77,13368179	-68,53346151
13,49504834	10,77049111	8,441843201	-87,64356805	-77,73126961	-70,67887497
13,5346756	0	0	-87,72272255	-78,93285625	-73,92481683

13,93735361	0	0	-87,81045091	-79,31143276	-74,75597206
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13,37664555	11,43687309	7,274679366	-87,54865574	-77,05698139	-68,12898064
13,18703791	10,58993297	6,157725883	-87,56723052	-77,31532606	-69,62485964
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13,48827402	11,7462165	7,808203573	-87,5429959	-76,95875313	-67,59829025
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13,57486316	11,82908049	7,491264673	-87,53503873	-77,01384546	-67,43310375
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13,86536089	10,86989507	7,324599759	-87,62764731	-77,26927953	-69,73287651
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13,48240288	11,73895663	7,858232201	-87,54368276	-76,95452181	-67,59830729
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13,46973558	11,71876302	7,80820341	-87,54368641	-76,96430246	-67,66495818
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13,47850063	11,64086435	8,174972278	-87,54696111	-77,01015545	-67,84395337
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13,4741932	11,67999532	7,558069134	-87,54416742	-77,0030953	-67,77830449
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Vrep 10	Vrep 20	Vmax 0	Vmax 2.5	Vmax 5	Vmax 10
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-66,15043413	-62,37240074	37,86643138	36,9559718	26,47035814	-23,10476482
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-87,38223751	-87,3277362	39,08045302	38,88846301	38,71479275	38,48922331
-66,20725642	-62,35121779	37,80621972	36,83777	23,66351828	-23,12211002
-66,5377874	-62,10906981	36,96347053	35,38229056	8,027308917	-23,3599129
-66,14928011	-62,3727427	37,87046924	36,96101021	26,43662202	-23,10527301
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-66,13296115	-62,35911902	37,9178528	37,03190893	-20,56134272	-23,12038278
-66,11784145	-62,31170254	38,09541813	37,28211713	26,20537134	-23,14294585
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-66,59806861	-61,23910053	33,85124763	31,4210341	-16,95275688	-23,27503084
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-66,1438433	-62,37236736	37,85930086	36,94385279	26,47468208	-23,11298804
-66,18758122	-62,37742605	37,78627265	36,82663203	20,42860915	-23,11687217
-66,22348988	-62,38091673	37,70203061	36,69831009	-20,45595065	-23,12799021
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-66,14915003	-62,37287968	37,86779241	36,95717882	26,4740991	-23,10513371

Vmax 20	APD90 0	APD90 2.5	APD90 5	APD90 10	APD90 20	APD30 0
-22,64699828	266,6375657	195,9958422	137,9852848	96,02960386	50,615923	164,661364
-22,64594085	268,2010327	198,7726397	137,2062956	97,0657295	50,60467441	165,1228539
-22,6463692	267,5810214	196,3806101	138,3808181	97,08187752	50,60932159	165,737575
38,26474213	7173,771103	7171,262757	7204,96677	7201,725927	7142,811151	4514,643065
-22,5805412	280,9410956	206,5758527	141,9817863	96,64873198	50,91869819	172,928071
-22,59277137	366,8889037	264,286927	167,8595754	92,07495898	49,3296047	213,7662415
-22,64698753	268,7478343	197,4553168	138,0040048	96,06514902	50,6046669	166,4574771
-22,62670715	270,7707937	198,3994881	139,3092	95,70104001	50,58228531	167,7090671
-22,6050259	273,2545124	201,6649087	100,2255561	96,36268239	50,56017676	167,3262915
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-22,35735178	427,6601573	300,3540993	185,133266	89,51402504	49,11152172	232,0259004
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-22,63224324	271,4355174	198,9410905	100,890726	95,615587	50,61733233	168,2575445
-22,65572635	298,2448669	217,8719605	149,222503	96,58219178	50,41979493	180,6294906
-22,79134783	325,3495028	235,7315223	99,28775002	95,09444862	49,25302702	193,2963017
-22,45797232	453,1100457	317,6162208	129,4155452	90,83743581	47,87959757	242,2896155
-22,39366973	637,6242726	406,6686501	158,78558	92,09313483	45,70253528	310,7121445
-22,48064766	601,0556802	265,172627	136,6423773	93,72871968	45,2762263	352,7492145
-22,53850759	283,5030044	206,4173783	100,8409108	95,4708139	50,53760139	172,9983729
-22,44865445	380,2985291	270,4592996	116,1423121	92,55885183	48,96852375	215,7052821
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-21,65266292	653,6496643	408,1669918	167,4383339	88,99626678	44,55254418	361,5515964
-22,75489559	622,3467069	245,2979415	147,8069685	93,99121854	45,78675099	387,8381237
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-22,47545444	354,5892229	253,4299238	106,3012487	94,35802087	50,34417352	205,8206251
-22,43598517	404,3354158	285,2963024	176,0755713	90,66717552	48,4874153	224,1461797
-22,30391789	570,7889893	374,3142179	227,1495413	83,00050692	46,93844194	265,4618718
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-22,64769537	267,4299893	198,8002285	137,9283692	96,03625307	50,60606736	165,7343567
-22,64389264	268,2354791	197,9337638	139,037451	96,09098411	50,60912483	167,5702891
-22,63993719	269,8824022	199,6893829	102,447393	95,76665156	50,61458895	169,2661788
-22,60820354	281,3520152	206,5555254	94,57917036	97,23514508	50,65278424	171,5982093
-22,8014565	375,0054566	266,6735135	173,7710965	94,19737473	49,78567607	216,4077972
-22,8467219	596,7804071	394,3745385	147,5302389	94,54945437	47,21870202	285,4077914
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-22,55825942	283,3103853	207,188811	100,5192904	95,33150147	50,46757906	173,3569563
-22,74480577	334,8043385	243,319993	167,0305412	93,92655282	50,31851501	196,6144107
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-22,66214246	323,3653397	234,2635741	162,0928179	94,09065757	50,74821185	193,3022074
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-21,66815213	542,6488838	362,8708741	239,6850603	81,94223322	48,31155579	259,3107041
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-22,64154028	267,6791483	197,70113	138,1395011	96,06077804	50,59458877	165,4524685
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-22,67626425	325,8933906	235,4022322	100,3999021	94,23193344	49,64115581	194,2373896
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-22,61376514	383,7965266	273,6936632	175,4187699	96,01357343	50,89845438	216,2965158
-23,0519737	560,7012387	370,9872345	139,879298	95,27931515	49,51552833	273,0530317
-22,78147741	665,8920198	352,6919248	138,2595154	93,6870101	47,03846258	310,6144273
-21,61668952	681,7077798	229,7524102	118,9939512	90,0860896	43,86856883	398,2825016
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-22,47840274	286,2463418	210,966515	145,2173543	96,49244621	50,91969747	177,5407132
-22,79584091	306,4720989	222,5570462	156,2474521	95,54325717	50,55788528	183,6717528
-22,34782637	410,7434541	291,1162112	194,1768583	90,6570133	49,70341481	226,0629127
-21,5245184	695,6699684	416,9733521	262,3991659	82,35468464	46,39084516	269,7786846
-21,63704987	717,6538943	440,7552469	147,5398646	86,85361864	44,68281894	313,0016208
-22,46565186	363,4848997	259,3726392	110,0148107	93,52095346	49,98713743	208,6232967
-21,52813801	640,7892025	398,1197459	261,2515709	78,15698645	47,95856864	269,4771172
-20,81315864	201,234104	421,9649294	269,2462914	72,88362616	44,56310033	299,3676608
-20,08112834	232,6470837	452,7716269	276,0360424	68,99280907	43,16791472	298,3358261
-20,67092157	215,0709968	452,9814541	226,1802408	75,52245477	43,36099591	319,3162292
-22,60141928	727,1989067	420,99471	150,8571048	92,47183839	47,13147609	317,8459904
-22,63795738	270,5529169	198,0365008	140,1536986	96,63350301	50,5978843	167,0697126
-22,55060284	288,3513513	212,8023668	145,0073862	95,90444057	50,53554474	176,1609476
-22,64221303	307,8732991	224,8312014	96,78127221	97,13473322	50,75237077	185,7604441

-22,5903525	415,7782904	293,2622692	118,3156295	93,32218857	49,61956335	229,6616939
-22,80064094	641,7796345	410,2997987	144,1810395	94,52942595	46,66184591	290,4201346
-22,41022539	608,3450669	303,3281736	135,0637738	92,16237389	45,37507115	342,2610873
-22,64019221	268,8946199	197,3848594	93,53736581	95,95711266	50,64860358	168,6523623
-22,57067516	285,8526945	208,0466892	96,79956941	96,57535957	50,52021641	174,6128249
-22,48342363	301,9993815	218,603297	149,6351044	96,58019146	50,66435094	181,9832739
-22,4415237	391,8079949	278,5332461	188,8458958	92,96306533	47,94795245	217,5095812
-22,27501914	589,9830116	386,0408237	164,4060912	89,8707303	45,23010123	314,1163511
-22,61037957	609,3841919	305,5715744	146,51922	92,70874493	45,75307998	363,6611165
-22,66326857	269,3935977	199,0016521	139,6910854	96,889951	50,7756869	167,9012417
-22,79662572	295,623832	216,2939422	101,1960526	97,17167212	49,87385866	177,7594351
-22,84335596	317,0787846	229,5346556	163,3634962	98,57304367	50,52556619	190,6131097
-22,69068915	424,4127603	304,9816465	151,355232	95,97736727	48,83042135	231,5585438
-22,55427005	584,7458607	337,002853	150,2573229	92,84981924	45,23410165	328,3844779
-22,12172051	690,3472122	234,7272178	121,364413	89,54101187	43,76363153	438,9040719
-22,74265847	329,612944	237,0341281	158,6664562	95,24297033	49,78547193	194,3414848
-22,31603794	538,3308247	360,8198687	161,8618912	89,34780825	47,93086128	263,6862094
35,60502773	10250,64101	10284,98175	10359,28434	10409,05415	10457,84904	4821,273943
-22,39592357	653,7547071	406,0536668	160,6398794	91,91389037	46,01539057	330,4689865
-22,54836725	589,330412	243,7468607	133,4380829	93,53711828	45,29555895	351,4840844
-21,64745781	82,42800215	230,8398612	118,8773597	89,91056907	42,7665649	50,33633425
-22,78358253	311,4557138	227,1779224	157,3918062	96,05506247	50,54183977	186,6079896
-22,22668366	505,6366671	343,6844561	225,7811265	86,58159884	48,36120905	253,2702207
-22,1028539	596,3030236	384,2566357	245,0711298	84,39730552	48,43122023	266,3488125
-22,16538526	736,1776086	433,1944292	143,6084066	88,82912707	46,40201044	283,7197398
-22,62067108	671,9662685	366,2642646	150,795359	92,45425789	46,39916907	331,2873056
-22,1045194	681,2712725	228,9785595	123,7647277	90,06850196	43,68111869	423,578174
-22,72472719	323,6554891	233,7822678	157,326559	95,81803717	48,59626257	192,6942513
-22,63423264	497,7349264	336,4430004	200,1450897	83,18786008	47,0856072	255,7558833
-22,86142675	596,2235201	379,1032513	214,0662022	79,19664797	46,47999705	288,946803
-24,18134189	306,0319523	406,9356611	93,41172909	65,31811409	42,0189089	62,14222815
-24,52166762	98,04870665	76,59170892	67,09650799	62,09418504	42,34717833	58,84744391
-24,89659225	102,299497	81,94929355	73,15187298	67,45841888	46,07778916	58,0269088
-22,63372989	269,6323698	199,2398673	93,61005337	95,6777241	50,64899471	166,9968738
-22,52838691	286,4156082	208,6204202	95,32163605	97,23702859	50,56142471	175,6270262
-22,57381645	302,5147311	219,7192623	102,1727248	97,09241463	50,78974212	182,7346351
-22,33632577	390,7515809	280,4936109	154,5720196	93,72927436	47,15541659	216,6158088
-21,50622929	621,8005284	386,7774896	166,2008156	88,14608946	43,68791208	338,0910388
-22,30866198	634,7129309	397,6005409	162,244647	90,82190885	45,24072344	387,5320558
-22,61386257	272,4086901	201,1409813	100,5232119	96,33222165	50,54909296	167,2609222
-22,57725766	296,413856	216,9117344	103,8142098	95,38248825	51,34079833	181,4703731
-22,72986498	314,8793045	228,6142007	159,6583283	96,30864452	50,18436299	188,8699041
-22,35124199	404,3816508	286,7502245	187,8769095	92,51600315	50,25985886	224,8886788
-21,34765763	695,5358889	427,856435	264,0552424	101,3383293	56,81374239	277,7369868
-18,11193747	5802,900496	653,4965262	261,2839085	174,7641321	92,58914595	203,1043151
-22,637772	268,3097958	197,7092514	139,0760121	96,08301716	50,60299602	168,0036786
-22,56541248	279,0475789	205,2229465	103,8790679	95,92655019	50,62713387	170,8644394
-22,4812919	291,1309779	212,2172101	146,8083739	96,10381252	50,3122303	177,5617514
-22,61123778	362,323279	258,8403336	170,8779083	92,92145603	48,47782598	211,1535253
-21,59391787	580,4297304	388,0066865	148,119674	86,22046808	45,57748018	283,8718708

-21,61694423	684,2579642	410,0097527	166,969506	87,44761254	44,54260836	399,9431327
-22,63322825	270,3717988	199,1253181	100,9734843	95,80386297	50,60279055	169,5614723
-22,4865946	300,1317837	217,0182189	150,0815979	96,73891745	51,0551451	179,9829045
-22,52050682	329,1197017	236,5615203	100,369536	96,48172832	50,29119864	193,6641725
-22,54269513	457,2370121	318,6363414	125,9806687	90,84715688	48,62396152	246,4256842
-22,54015699	642,7256767	405,1952354	158,0951865	93,11187692	46,31438729	313,9119323
-22,53894299	592,5160687	271,1357772	134,810412	90,17798832	44,6191052	342,0084447
-22,73612026	295,5194495	215,6963733	106,7989034	97,12143633	50,53312038	178,9718687
-23,09999018	444,8384855	309,5836454	159,5309189	99,61857455	49,57232784	241,5623548
-22,91746007	521,086981	354,4658433	138,8849677	98,9313052	50,09954562	265,4192037
-23,00370766	637,2571794	362,1885867	147,7907536	96,30365182	47,64804031	306,177481
-22,0724135	680,0644196	228,1429692	121,7545357	89,38639004	43,54155378	398,6518755
-21,31816081	259,2361664	220,2695519	118,0230662	85,98239966	41,82568916	450,1558277
-22,39281207	347,7478994	249,9533664	174,891047	91,74362761	50,73825845	205,7713189
-22,10361422	597,0950506	384,0681633	241,8885194	85,93004475	48,32105152	266,6770995
-22,09559715	675,4924353	413,3434942	242,9605296	84,30409852	46,91852749	276,7846019
-22,2907393	715,6201231	437,0507974	142,970548	89,86535638	46,49395971	300,5208026
-22,43882573	623,946014	328,8779304	142,0103097	91,54399348	44,78085195	350,5782809
-22,09547686	697,6759042	234,0752977	121,0411251	91,25888411	43,6192938	450,2461429
-22,55395059	289,3969736	213,4431329	102,6392886	95,44596166	50,45886334	176,4426965
-22,61350322	418,1484084	297,3756693	178,9894796	91,57506249	50,2982543	228,2387525
-22,53947826	497,5130761	340,6391975	210,7323249	89,54810708	49,28846077	257,1696597
-22,94220011	696,0561473	421,729147	124,8665901	95,17798845	48,87665489	296,5298258
-22,44781822	688,1477489	349,0875544	132,6422283	92,91553268	46,29962559	316,0930569
-21,52953504	91,49615275	224,711006	120,5735891	86,90476893	42,42949857	58,13197227
-22,6671739	267,2064559	198,1535481	138,2524826	96,9421674	50,79889678	164,982065
-22,81599208	274,4092672	200,4656759	118,6404693	97,20186839	50,60508668	168,4866422
-22,85353858	277,3824166	203,2342013	127,0229592	98,95711884	50,56627696	171,8751337
-22,60733356	308,8029591	232,9177732	153,6580567	96,07327991	48,98359465	183,8244406
-22,59946384	500,3866899	334,820967	163,0796323	93,58072352	46,28162891	296,4799944
-22,41464761	543,5089758	238,4026526	125,427263	93,70305272	44,74155707	345,9503032
-22,70111422	268,8251334	197,8728178	93,5664799	95,85873237	50,74061344	166,2863852
-22,96563915	273,1097576	201,1965623	141,4165375	98,86159386	51,16968937	166,8422254
-22,87810445	278,2507334	204,179948	147,0470668	99,96088425	50,33447772	170,0277765
-23,47574744	320,963631	231,5173534	155,9794727	105,4433898	51,48509073	189,0340651
-23,12578342	479,0425274	311,3610182	140,9282705	98,24444657	47,30837822	262,4547215
-21,634737	654,2084254	233,7444332	118,9940846	89,05432918	42,83499982	390,9576373
-22,64722941	266,6707047	197,1716048	137,3286435	97,06434341	50,6044895	164,6750401
-22,64710081	268,4270972	198,2770672	138,9397847	97,08666626	50,61096073	166,6196898
-22,6482128	268,6167914	196,1680454	138,2855245	96,0979191	50,62295919	166,7910488
-22,65018161	267,3376843	198,7983278	137,2021298	95,64233318	50,70103025	164,8568113
-22,65816086	276,5681261	202,307304	94,92290074	97,969862	50,86976429	169,8440874
-22,39229628	321,3719466	236,6779386	164,1929895	95,20875557	48,4605764	189,4305275
-22,65603594	266,8156155	196,9287525	138,2009051	97,36371151	50,78505606	165,7454228
-22,68536671	267,0292264	195,6092754	122,4598235	98,85229408	50,0772274	167,8018645
-22,55602053	266,2546873	192,7605656	114,5418718	98,24287866	49,56400461	165,6587022
-22,41039671	267,4941485	197,9482844	161,0301547	93,10857907	46,83383186	163,2834996
-22,31727979	379,363545	290,4945103	173,0595954	93,69759055	45,43656263	236,6579227
-22,62577001	548,0620121	332,6774705	159,8504623	95,28030528	46,86171814	355,004948
-22,66542934	268,2451127	196,819668	118,0261416	97,08769016	50,94462927	165,5952239

-22,63678785	266,0033184	192,797203	101,5089926	99,36445569	49,73202124	167,1165143
-22,50128012	261,6006472	190,7106064	163,3385872	96,1048556	49,71128353	161,066523
-22,3467411	263,0499786	199,1746739	164,3461686	95,25516261	45,92783145	160,2804009
-22,59845541	359,0256964	291,0378444	174,7561105	95,67196096	46,11343206	228,1961576
-22,88615625	521,9102912	241,6666636	142,3273672	97,10441957	46,74430204	338,9119453
-22,66175496	268,4537234	192,5989927	107,2116821	96,59932434	49,64086246	165,9865941
-22,51133619	255,8348104	187,8770094	161,9243083	92,2964914	47,03970907	156,640556
-22,38103984	253,6947179	190,4349815	159,9955059	93,2168817	46,09996952	154,1087303
-22,26565659	263,9286589	211,3542226	167,2512653	89,80520538	44,47442316	152,2860322
-22,6246908	351,9168366	290,1810671	157,9637198	80,85619322	43,01010512	199,6030745
-23,72976743	551,8021175	335,3250311	120,6378228	70,48271499	40,45662516	347,4012007
-22,64857745	268,3925279	196,8120963	138,1862514	96,07477165	50,62306097	168,3324711
-22,66004079	266,6800641	198,7807436	93,87305412	95,98119052	50,69617035	165,8147956
-22,67287488	268,3084793	196,8898947	139,3795736	96,8142719	50,76941322	166,6066802
-22,77430237	274,8136009	200,1591762	92,30843584	98,0252601	50,92944312	168,6623812
-22,9925008	313,4513304	227,7953114	157,0334061	100,5461352	50,20049987	187,8813405
-22,8351057	486,7207215	332,5890134	163,7795241	97,38128474	46,30768261	275,3996333
-22,67107722	266,4452924	196,5955418	140,5073646	95,94998458	50,42684139	166,23487
-22,51862537	263,7569371	192,8343639	119,5448151	97,55587508	49,59995968	163,9701874
-22,60083275	259,6306638	190,283669	148,0516707	94,93951909	47,24710514	162,0127933
-21,98411241	268,4927469	204,492796	165,576102	95,1179992	46,490367	159,6631776
-22,44678072	379,652922	301,9784209	173,8264538	94,66992966	46,05443362	243,2564431
-22,80408773	541,5927295	245,3846308	144,6348984	96,25064758	46,7613053	351,6055958
-22,67071165	266,9900222	196,9852132	89,68173479	96,68342668	50,95958597	166,8288353
-22,7513693	266,2935105	194,175105	162,3096631	96,37581404	48,23269185	164,3769758
-22,51150041	269,9020501	199,0595909	164,1540082	95,07117241	47,20743361	167,1934061
-21,98719135	324,8967398	243,4319574	173,0996768	93,32450959	46,98930803	197,6699021
-22,503493	506,6751722	353,2803279	167,5072089	93,71275076	45,91531715	318,3167358
-22,76774493	578,5562929	245,1496729	133,9393451	95,32080167	45,74322605	370,3573688
-22,64742883	266,8234821	196,0280542	136,5843827	96,06508337	50,60429719	165,6111882
-22,64648165	266,641295	195,9794247	136,7846204	96,04738373	50,60272405	164,6992898
-22,64683375	267,4029477	197,1232515	137,926486	96,05650834	50,60348911	165,5913846
-22,64388822	268,9192889	197,7734877	139,033419	96,24529227	50,60069954	165,3774906
-22,6494805	267,6699288	196,7719434	136,8371491	95,79500274	50,64094769	165,0375676
-22,65138553	276,6619271	204,3939486	100,5925058	96,65605544	51,09348838	171,1559296
-22,68577969	268,4101574	197,0726842	137,702094	95,7645294	50,71838703	167,0510706
-22,96033728	278,6894085	205,7022733	115,983051	97,89325975	50,52126441	170,362457
-23,07274847	290,5213677	211,5591641	110,9943919	101,229955	51,43593308	176,6392169
-23,40916496	359,6795273	258,5948416	154,6390982	102,0899311	50,39234658	210,394763
-22,98735614	547,5156911	329,3126384	143,9636347	97,11487939	46,73299436	290,7358603
-21,65536428	667,0541129	233,2128712	120,6018276	88,94218207	44,1552632	395,1862922
-22,71468569	271,5166302	199,814568	100,8803107	97,07333724	50,19826769	166,3526745
-23,21153779	283,044525	208,3845674	115,5189851	89,23269222	47,71344436	174,5908064
-23,47604962	301,4788991	215,7291504	112,9268682	82,10533158	46,59039974	184,1381995
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-22,91088445	598,7843048	345,6697489	135,0569904	64,76058412	38,20585587	293,1337658
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-22,66033403	268,4660449	196,759692	145,0799402	96,01521695	50,90075085	167,2883572
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-22,64845949	276,3141813	201,2856904	110,2688243	98,66317644	49,60977188	170,9060239
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-22,40863082	527,3620585	360,9226252	166,5128967	92,89135469	45,11691787	314,6505525
-22,65364614	267,1547708	197,784173	94,40828778	95,69980119	50,68918378	165,2049162
-22,7243406	267,8287626	196,7119933	91,17968582	96,88458769	50,90099511	165,8968487
-22,77444188	268,826437	195,3509547	112,6226365	96,99590801	49,72862151	166,8432638
-22,6589319	261,3393153	194,9820403	152,7900956	96,25918605	48,80728984	159,4061932
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-22,77382793	515,0294116	296,3654474	144,1407883	95,59131543	46,75105777	319,0808018
-22,64809718	267,0146653	196,418245	137,6948891	96,07464269	50,61318107	165,9457559
-22,66202326	267,487656	196,5285166	138,5978602	96,33651256	50,7329572	165,2777947
-22,67783326	267,1542228	197,2212736	141,7846552	96,32681342	50,88411599	165,9933096
-22,78256705	266,229006	195,4488915	100,0166139	97,92283286	49,6703194	165,1551129
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-22,66056146	267,0226092	195,2759749	107,7322565	96,60962727	50,85565892	165,2216311
-22,56346726	257,1623017	187,9983803	139,4638097	95,25574102	48,80331075	159,4572399
-22,38589412	253,0534569	187,5887994	163,3651972	93,70609459	46,72228429	154,2722296
-21,6493542	251,0825206	212,1900176	180,1334974	90,19674044	45,75960173	144,2036483
-21,55364666	264,1683547	260,4781392	173,4793756	91,03696852	44,84448122	145,8671196
-21,62747691	292,5707196	281,030275	175,9238274	92,97538743	44,94845133	164,5231506
-22,65138701	266,912026	196,1269171	138,7787245	95,91271845	50,73827836	165,9386672
-22,67478847	266,1277293	194,6231389	100,9582459	97,14486439	49,80766523	165,9459133
-22,59111141	266,0547144	192,5626392	101,3312967	98,66024122	49,61473487	167,1024158
-22,40109782	253,9294524	189,508666	160,3066678	92,84008459	46,81718002	154,3475627
-21,62001079	257,1255286	232,9929502	187,4599756	91,51520551	43,82814276	143,4952147
-22,08098742	279,9972059	267,2946347	175,3986376	91,16209962	44,54434136	162,4147961
-22,65243507	267,495942	196,1148879	136,9798992	96,3945382	50,7335304	165,739659
-22,67846365	268,2788798	194,1635919	141,6999707	97,91463704	50,26914271	165,4426982
-22,60535371	267,5501044	194,159419	142,9093753	97,57362022	49,61931081	167,6795391
-22,42200344	253,2854412	188,4649927	165,0994212	93,39503785	47,41596161	157,4757872
-21,61939126	257,4843753	230,6868971	185,5359011	91,478862	44,26267638	144,0580315
-21,66578854	288,1375351	272,1743563	177,2919901	91,65061092	44,88816044	164,5215299
-22,56684898	256,9207052	187,3567978	150,0575811	95,79945893	47,51863752	158,4418527
-21,62721971	253,4418128	220,5418089	181,2134837	91,13699849	45,44434512	142,1230293
-21,59499641	256,6038546	240,2703344	189,4493463	92,4572092	44,55108298	142,0964649
-21,53824316	260,1305295	263,7786341	175,8682134	91,1181286	43,67235113	142,0100623
-21,5220646	262,1522518	277,6653264	178,6227316	91,15288134	44,31072129	141,2865425
-21,6317746	306,0666609	288,4362593	177,3237806	91,98842739	44,93876666	172,3741382
-22,6457379	267,6077176	196,0863128	138,6970958	96,34031457	50,6165957	167,3088747
-22,6582534	267,1018591	196,8906983	142,9342665	97,78286369	50,80359126	166,2986151
-22,67692835	267,2836285	197,4091022	138,9745403	97,86818051	50,42542926	165,9840641
-22,70957608	272,3381606	196,92001	117,9024013	96,72716487	49,67783426	169,2913824
-22,61415935	293,285263	223,6423228	154,8508781	95,70673911	46,77734996	174,4615143
-22,67464651	472,2214455	342,4689247	170,8356518	93,80614644	45,2237874	289,3674341
-22,68285529	268,1183291	196,9498678	138,9263348	95,93388798	50,89716928	165,445428
-22,89360155	269,578024	197,0376596	143,0946411	97,93513688	49,67673736	167,4023269
-22,9410861	267,3342322	197,4313491	106,8880827	98,70868693	50,06909579	165,3806992
-22,82863027	281,4107263	217,8858171	158,3546508	97,8929052	48,52674661	169,8637488
-22,85267922	451,143664	313,2253909	158,0223838	97,29084484	46,65106595	273,9950402

-22,22211502	281,3380615	233,1188202	123,0166938	93,3806204	44,12473945	215,7774133
-22,68532403	268,7731554	196,5836378	95,38738841	95,70105535	50,7206732	165,9247411
-22,85753739	273,1089039	200,262902	115,0646079	99,23571328	51,12179268	169,533037
-23,11056932	278,1216243	204,315764	95,87475113	99,80625863	51,48531285	171,9012012
-23,52876086	320,9984256	230,546484	157,0979207	103,4274844	50,7035023	192,6846934
-23,13223309	486,3458501	322,124018	146,2212298	99,40239944	47,19476552	270,0137279
-21,6693047	655,4235108	227,177501	120,6202676	87,48049811	44,09720433	396,4841107
-22,61977636	270,8889589	199,2399678	141,2613612	96,34464664	50,565229	166,796985
-22,53891964	305,1359065	222,7612755	150,6515359	95,90197816	51,58083404	184,4826386
-22,63606647	337,7928286	241,8064092	169,7482677	93,75955729	50,24977487	201,5655787
-22,28051583	479,6126447	332,6845868	211,5245551	86,79578658	48,87333537	248,8576382
-22,24532088	684,6605308	427,5249746	145,0823121	87,46978917	45,3706935	298,450002
-22,54145823	638,8533133	352,670357	153,0218744	92,36602948	45,60002851	353,1374038
-22,65472549	267,1471909	196,9327427	138,5893617	96,08228799	50,61727648	165,5766122
-22,69146263	266,9513441	198,0886086	93,46295689	95,93391621	50,70110131	165,9030864
-22,73810973	268,877929	199,488207	139,5679173	96,71543518	50,81672359	167,3981518
-22,90321479	280,1461223	206,6480139	117,2747997	99,37310339	50,79949793	171,8164654
-23,53592786	373,4684383	267,6119295	131,5355454	103,3060635	52,00235389	212,4171935
-22,92002424	584,3666739	341,5574389	136,7709263	98,41937876	49,30840755	277,5740726
-22,64761494	266,8037826	198,6691815	138,8013797	95,59035469	50,64478994	166,5073669
-22,67870648	272,4650269	199,5499848	141,9831884	96,67842575	50,56410976	169,8465218
-22,70159591	274,8097767	201,5197799	145,7266997	97,84613574	50,88422123	170,7046338
-22,57646813	298,7763294	217,3099635	129,342868	97,38523064	49,73589416	180,5396441
-22,60154046	450,5247593	322,3373062	165,0120974	94,67044177	46,33601241	255,6191729
-22,66196636	582,6713829	322,7790942	147,0087894	94,58229956	45,78853808	348,549786
-22,64413589	267,1188967	197,1924829	138,4487069	96,02689147	50,60104637	164,8793742
-22,64608952	266,7663117	196,2866879	138,2780014	95,7798179	50,63018501	165,7512722
-22,64611264	267,8575734	198,8813501	93,67387993	95,65368597	50,65637169	165,7891441
-22,64473921	269,6988913	199,014749	140,1321605	95,96097539	50,92712777	168,294386
-22,48009196	299,2534786	216,4339251	153,4703583	98,95682943	49,66829915	182,6203971
-22,32123787	442,2770711	318,4657076	160,4464622	93,15797846	45,74554685	248,417387
-22,65291002	267,5488677	197,7695951	138,1248721	95,76508795	50,64107402	168,0254894
-22,68235567	273,3244774	202,7024112	141,6109387	95,81628449	50,36764934	169,9033572
-22,72492808	280,5760595	206,3860461	117,6936768	96,1273535	50,80788656	171,7941987
-22,91247479	325,6831838	235,3194136	126,6964372	98,0203263	50,61201913	194,0851874
-22,72801355	508,5284511	346,4297987	158,0641255	96,00932513	47,30185177	268,404645
-22,47189673	582,9391062	265,6617315	136,8014624	92,28935014	45,18627945	336,4985
-22,6279311	271,7997447	200,728088	100,3395774	96,52407924	51,16515728	168,8125726
-22,59953579	309,5273106	223,9928789	162,7223673	97,43858311	49,51150931	186,8141514
-22,40529931	341,322832	245,7768617	154,3476446	93,515098	48,19858706	198,4813183
-21,60612569	501,6575684	333,3486437	162,9409527	89,42806594	45,21138939	278,9232167
-21,49274161	659,99719	407,9800808	165,8356285	89,22582818	44,28131922	373,7231882
-22,44318485	640,5503975	401,6844623	163,995152	91,75824543	45,18595744	406,7777901
-22,60501772	275,7465996	199,9518472	142,5265914	96,36208385	50,82775362	171,197173
-22,44167554	325,8984334	238,6725326	156,7443452	95,11835278	47,81915561	191,0715716
-22,30363532	385,486712	272,910432	155,2630297	91,04085878	46,00282547	223,0666763
-21,47375637	546,68941	358,2050679	171,2979099	89,33519925	44,55300267	297,1923738
-21,46368065	671,2763254	414,8023103	159,6601752	88,91888752	43,88414443	388,7987907
-22,32734095	645,7132533	411,4291266	163,3505589	91,25046421	45,25461386	405,4277248
-22,61825823	270,4812799	199,3916419	103,5344458	97,86832602	50,89838679	168,6990548

-22,73537232	302,0634578	218,9812144	103,3999323	98,49645076	49,13820272	182,3028766
-22,39425877	325,6845522	236,3054166	173,6709165	94,25745877	47,65187279	189,7208652
-21,67503373	469,6424325	317,1142911	159,938892	86,94695141	45,23495443	261,9682891
-22,28482947	619,8935537	395,995406	148,7161665	76,11007745	41,656961	325,3624122
-22,69941551	626,5495574	367,4718786	141,013337	69,98745455	39,87202553	294,050026
-22,64859597	268,1525246	198,7170405	139,2025575	96,06895667	50,60878276	165,0722608
-22,64672008	269,09303	199,3795546	101,1188881	96,3802134	50,63459025	167,2532157
-22,64351526	271,945627	199,9794635	100,9423947	95,83180429	50,66264852	166,7050473
-22,60855199	287,7292864	209,3647027	144,6602021	96,37981941	50,89777457	173,818591
-22,50780479	395,6476661	282,0253454	186,3432663	95,73937751	49,61718089	224,20808
-22,56957897	596,7705087	384,6723281	159,5387848	93,16280165	46,39670665	302,6228269
-22,63281631	268,7281895	198,3556854	138,1060321	96,32186854	50,57920971	165,9647651
-22,5512192	279,5804417	204,9378689	101,8135457	96,80187372	51,53934144	171,9809348
-22,63802936	290,5405919	213,7171829	145,5286021	96,3275739	50,17688037	177,555174
-22,47494967	359,3570825	261,2871739	110,1728849	93,54366043	50,01292032	206,3207619
-21,55050639	632,7492511	395,9881299	259,4546547	78,27019431	47,38161923	273,8568203
-20,51915035	206,2708608	443,0960734	249,4675504	75,65441871	42,94071221	318,7549668
-22,64928397	267,0418586	197,6648338	137,5734169	96,35681557	50,61697087	166,7360987
-22,68144648	272,3936516	200,0075139	140,0053286	97,22517751	50,78387865	168,0638533
-22,70960688	275,0089371	202,0447926	140,9984923	97,72428266	50,37719226	169,4148899
-22,96110771	302,3811866	218,9779352	100,6563507	99,69745963	49,59143618	181,0248748
-22,85009582	456,7743632	322,3744434	149,2081478	99,78798326	49,33761057	245,0447314
-22,51506186	585,6465389	321,7669671	139,8535177	91,39537545	45,50446878	326,8383778
-22,62826696	270,885765	198,7434261	140,5063739	96,72497583	50,63343962	165,9159743
-22,59092215	279,0901736	205,6269332	100,138984	96,40691896	51,42439741	170,9806161
-22,56126721	287,556339	210,8804083	104,9004777	96,84579978	51,5753141	175,1865291
-22,51519988	332,3413887	240,1927004	161,5085206	96,37209949	52,96716268	196,2603299
-23,57831467	491,5946474	337,1447073	153,3727059	99,93633973	58,65023742	244,3543047
-23,64115663	386,7694265	187,409655	140,9810352	119,6433932	72,13099389	241,5935357
-22,63124182	269,8403362	198,7179975	137,1689286	96,05322049	50,57490728	167,0109932
-22,63488925	289,2304647	212,6482089	146,5885031	96,24106478	51,43430847	177,8743319
-22,75726775	309,7191831	226,6117823	157,1752149	95,63693998	50,105073	184,9932352
-22,28789295	421,6462438	298,9779952	199,9845816	89,5567125	48,42717253	231,6252656
-21,39131094	745,9205575	425,6941155	272,9236202	76,99492187	46,26690805	270,472765
-20,3295041	213,8618705	447,3562947	260,0018837	72,39125322	42,53394212	316,4668247
-22,48661919	279,6656559	205,079688	100,8638903	96,44134427	50,9849337	172,8057174
-22,54778569	321,6610867	233,0157588	162,7433979	94,01322999	51,24381795	192,1114844
-22,47178832	350,7398426	251,8611697	174,6708393	94,58497667	50,4302868	203,5581736
-22,19816196	453,843386	317,0635228	211,4765671	89,17430937	48,65994211	241,4582867
-21,37992763	694,3504987	416,3109096	272,2808469	82,0200442	48,91684863	269,0126087
-19,00551334	232,0106245	470,0118904	289,5948009	74,52840915	48,64232155	294,6765669
-22,64232203	268,196379	197,9466829	137,5129533	95,69626539	50,62423456	166,6805717
-22,64325138	272,1408687	199,6155734	95,57504446	97,25507723	50,79507651	168,9307492
-22,63351949	277,860678	203,9328712	101,3070359	96,66854643	51,10952391	170,4333332
-22,54580791	307,8682423	221,7821972	101,5563126	95,8320725	50,15134193	185,2261101
-22,44224854	467,5645342	334,4268113	153,4390733	94,71510576	46,19450912	253,0275877
-22,48041152	603,8687228	357,542468	159,0117277	91,73984854	45,45633631	345,7683577
-22,6480777	266,4707554	197,3524556	138,2690416	97,06627841	50,60558586	164,9622847
-22,64927637	267,1455903	196,994389	138,6017409	96,08003219	50,61141651	165,6264656
-22,64669186	267,4963612	196,6044879	136,7147529	96,31251168	50,61097654	165,2868466

-22,65954568	270,6054717	200,0909293	139,4814008	95,95523833	50,67269998	167,6598523
-22,72494681	291,1557354	213,6904989	148,6443977	96,96150192	50,82346867	176,8750322
-22,89213553	421,576335	298,3476135	157,1842626	98,8903113	49,97063648	237,3140645
-22,68209061	268,4221155	198,182599	140,0888521	95,97704409	50,73285811	165,2586642
-22,89899168	278,0736157	204,1779466	101,5850742	98,95476075	49,7371237	170,8345044
-22,95411486	288,7026567	210,5167138	99,23488145	99,66825676	51,35522385	176,4383657
-23,10526677	350,0319711	252,0426349	155,0710799	100,4476896	50,81454856	206,030296
-22,82351979	538,8930641	334,8359722	152,0226332	95,84918869	47,75485916	295,6454236
-22,11893757	666,2192484	229,0110109	121,5136598	91,26185855	43,75264697	411,8538714
-22,64761042	267,9377974	197,1966605	138,6468531	96,04070615	50,60445341	164,9780475
-22,64151814	267,9331035	199,1093041	139,8833538	96,05538407	50,59425729	168,1177972
-22,63861452	270,3471335	199,2866332	138,1155768	96,31348064	50,60203113	166,9728058
-22,60316765	278,3277146	204,855875	101,457881	95,80804927	50,53392949	170,6122686
-22,76230152	350,3773507	253,690377	105,8855155	95,38765204	49,75939724	203,6141748
-22,65000878	600,6857098	387,6896983	222,4164703	92,86137026	49,40564095	277,3121941
-22,61333433	271,626661	199,4061678	139,9552102	96,30008605	50,54529412	167,5262163
-22,79736214	305,8025983	223,7484546	156,7756149	95,44870529	50,48070771	185,6541204
-22,46278386	338,1535209	245,4019952	102,0573893	92,38942998	50,81037952	197,8068085
-22,13729984	486,4782881	335,5747265	223,5153927	85,53290728	48,50869039	250,1315639
-21,30366268	1429,501098	436,9040718	265,0225355	78,39827804	45,05574506	49,67108343
-22,08070646	723,4269948	442,4168783	146,1602818	89,12288057	44,4589343	316,5086433
-22,64042872	269,680238	197,2214846	138,448494	96,33424038	50,66316552	167,3263705
-22,57782416	285,4465629	208,6675103	145,3174236	97,39887863	50,614292	175,745315
-22,48756877	301,6001812	219,8101226	153,343667	96,60498096	51,0035171	181,0515835
-22,4614443	384,7968796	275,0953058	156,1254353	93,56133678	47,85497619	214,7535795
-22,20932835	583,0868497	384,5704617	168,2295496	89,76655613	45,72917816	317,1363577
-22,66725825	607,9759833	295,3122493	144,9566739	93,00299251	45,76472366	374,1062099
-22,65689593	267,7945557	197,355405	137,6920739	95,79033347	50,6329573	165,9148353
-22,74217238	271,4584535	199,4250455	138,8901398	97,36028098	50,35446136	167,365128
-22,84829609	275,7361796	203,2699491	92,77491965	96,55434789	51,00689585	171,1718601
-22,82188615	309,8469499	225,3163035	105,9682933	100,5471669	51,63900778	185,680489
-23,4140419	479,8395879	323,4650072	150,6596645	102,0032937	49,24768926	258,9613271
-22,42204037	568,5666156	251,4671467	128,9482171	92,47802194	45,36300424	322,56078
-22,7100963	268,3736742	196,6216118	143,3344358	96,9131706	49,45546626	165,8752061
-22,54850538	269,2275978	201,6474862	162,1122398	94,99729426	48,71540569	163,6579608
-22,41363732	293,8850018	216,0041438	158,2981112	94,75661634	46,78845355	180,5802358
-22,42987412	388,5732127	296,993521	171,6302023	94,17276138	45,59905062	240,8222821
-22,59590049	559,565628	269,5454101	149,0586784	95,40754954	46,85380014	349,1119663
-22,14022122	703,4347661	234,4529017	119,9023887	92,22381665	43,83239405	471,1425887
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-22,49430685	293,2651882	213,7420178	103,9843234	95,67049366	51,84371353	177,5290171
-22,53483378	314,2654675	228,7039362	97,20512571	96,56936905	50,03608232	189,1534289
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-22,61590436	668,7161031	418,9708904	140,3405254	92,27377785	47,60883915	288,361431
-22,43152897	623,9932683	328,962279	140,9541067	91,52290333	44,83272605	338,4684999
-22,63399938	270,5881198	199,3748394	138,5836446	95,73929499	50,5968917	167,7872681
-22,55937724	287,1416089	210,1229832	103,543578	96,86321402	50,53486321	175,7929663
-22,48220144	301,4041407	220,6617977	150,5643583	96,50554907	50,11951744	181,9475803
-22,66295641	381,6667614	272,6862736	183,4634658	90,21567389	49,18110494	216,848243
-22,94803987	580,9048497	377,8851307	133,0279247	75,19921557	44,04223336	268,4185264

-24,56720738	655,8091519	367,7052606	104,8972942	65,87916786	40,37462116	325,4550125
-22,6331203	269,7116721	198,3958758	137,7399017	96,28408966	50,5786481	166,7842657
-22,53531806	281,3973895	206,3692842	100,5221069	97,02120723	51,36085777	172,1491702
-22,61015935	293,2942218	214,3195632	147,6686401	96,33098777	51,51939697	179,4546723
-22,4505748	373,2763365	267,5655857	112,6402947	92,09480569	49,92666274	212,5137727
-21,59838348	657,0203649	404,9631999	264,264148	79,72548066	47,4284135	275,0918638
-21,16119445	184,1238392	443,5399342	122,2216504	77,83264215	44,23756977	322,3283952
-22,64691329	267,3347929	197,7863882	139,4283825	96,04866919	50,60629785	165,0259899
-22,64974769	268,074353	196,8601133	93,0440671	96,66638949	50,64182296	166,5406095
-22,64856203	269,8969247	198,9421542	140,3335376	95,94190201	50,67478944	167,5364845
-22,63789493	279,1742423	203,4842334	96,09768026	96,71084092	51,06633114	171,046645
-22,65394491	353,0253437	252,8827331	111,1933812	96,91901124	49,37761122	206,7599732
-22,63788171	551,9548279	369,1919292	159,544963	93,55358197	46,53726475	288,0598325
-22,64824077	268,339976	198,7708627	138,1485644	96,0693282	50,60717734	166,0689253
-22,6367366	268,6505654	198,692883	139,6184121	96,60959326	50,60204997	166,7371523
-22,62586993	270,593138	199,2607735	100,2031246	95,77429762	50,59967295	166,9140442
-22,52721424	285,839692	208,7437978	143,6539583	97,08670511	50,56100713	175,8370893
-22,44272837	398,7307452	282,9865475	114,9576933	93,0542295	48,64042825	222,1632808
-22,12605859	616,076461	404,3199071	149,8781475	89,57445285	45,49522309	294,2220051
-22,65086596	267,9325741	197,3501969	138,1300726	96,60616908	50,61459426	166,3595185
-22,67790004	275,0307881	202,7677194	94,46428728	97,30070623	50,71969187	168,6966554
-22,70240675	282,3300058	208,4673579	143,1467853	96,03285006	50,84106254	173,2726591
-22,89917299	332,5182386	241,4205655	105,5233503	95,90830218	49,87519233	195,9552425
-23,02836113	550,6076327	367,7408267	138,3108218	99,41140686	50,31115388	275,5625966
-22,45129041	610,8422371	310,4963707	132,5435705	92,85352402	45,29622876	324,5823844
-22,88908537	271,401604	199,9629575	141,1720496	98,64998859	49,93052307	168,9428462
-23,11598565	301,1519257	223,3854743	152,5871975	98,02469036	49,49987789	180,5567532
-23,12494234	335,1877744	253,0260677	160,7099762	100,2625777	47,82810662	195,7243294
-22,82312002	477,8940376	322,5349462	158,1495559	96,67528587	47,38005206	284,8143999
-22,14795027	652,2322959	234,9892608	123,664486	90,96836415	43,91988926	423,6548398
-21,41439975	313,4129775	217,6768607	117,0768668	86,34564449	41,23388646	461,403299
-22,68035398	276,7591333	201,5964009	94,32103358	97,24034468	50,80508681	171,003286
-22,94837249	337,8601436	242,819093	107,1679017	97,59863372	50,40972342	200,1516527
-22,94890299	386,9661608	273,619509	139,6553321	97,2969596	50,04485566	222,4253536
-23,16517719	544,1512558	364,3147475	148,1801553	96,94654508	49,05792374	274,8639789
-22,421734	592,7758379	289,3137061	134,0276959	92,74798444	45,43498139	333,8814676
-21,63021723	89,37815463	233,7863495	119,3685957	87,36386118	43,83836172	55,53944782
-22,64834816	267,0603886	197,7642724	138,1001516	96,05543587	50,60823126	165,9379296
-22,65337288	269,6525171	196,8059804	137,8356577	95,77017722	50,64550554	166,8862193
-22,65641196	270,2141189	198,5959537	138,4978774	95,78775528	50,68098743	165,4669485
-22,67955947	275,9222688	201,9690388	100,0143326	96,06284564	50,4063487	171,1641494
-22,86084153	335,2042927	241,4744203	130,9753773	96,00439723	49,54131659	197,2656547
-22,5695489	526,1626194	356,741681	160,6118095	95,71991404	47,38926745	275,9608338
-22,6514945	267,9285635	197,2430232	138,2865747	95,75167385	50,63893675	166,9387767
-22,69229069	268,9013631	196,999559	132,11028	97,40535317	50,3943215	166,3713236
-22,72943829	269,5758961	198,9557689	109,5394446	97,06260279	50,85297853	167,5554865
-22,89394438	276,1713131	203,3245292	118,9385223	98,8907179	50,57214147	171,066541
-22,70614192	339,956847	258,1766237	163,9868493	96,8322772	47,3093619	199,0698517
-22,8666245	531,2417504	320,2576	149,5012057	94,28226913	45,86015641	319,3754776
-22,83113208	272,7821344	200,572769	100,2258431	95,50059375	50,53254266	166,3501521

-23,03523647	298,3505692	218,6731639	105,302762	89,99789119	49,26668943	178,8393992
-23,33466521	319,8595524	236,1060181	95,60036544	85,90268439	47,62898973	188,6621421
-23,846439	421,3598076	300,0569459	111,8778536	71,70938449	43,9139558	225,6085744
-26,12039972	668,4417628	386,9660738	82,37154612	63,69532746	42,34760317	265,9865415
-24,45714301	87,64238053	67,93546445	61,24894801	58,20203284	38,93229092	52,8164374
-22,64496612	267,8026988	197,2033115	138,2572632	96,01341336	50,60026705	166,4829949
-22,63599349	268,7984861	197,4084957	138,0573833	96,57647187	50,58457263	166,2714236
-22,62919485	269,7090408	198,1910147	137,8363096	96,0540521	50,57134372	165,91079
-22,54976223	280,440096	204,8283096	100,5757022	96,76300641	51,53917441	170,8703631
-22,47674454	363,1098667	258,4289261	108,8404394	93,39730936	50,0087964	208,5942075
-21,61250873	632,7198262	394,5692479	257,4167744	80,98134107	47,76537986	272,3883058
-22,64425155	268,456001	198,7738565	138,3870943	96,02082413	50,5987615	166,1758338
-22,63295391	269,0407743	198,5374991	138,6313587	96,04130232	50,57823696	166,4561812
-22,61567697	271,7223444	199,7906277	138,746097	95,5845614	50,54845999	168,0225823
-22,49157801	286,4951682	209,2214956	101,7352407	96,41194604	50,92023028	173,8857277
-22,36337319	399,3080211	285,7194191	189,5822591	90,50785043	49,69862771	223,7167866
-21,46266137	708,3491226	418,7673049	269,7107181	75,86957859	47,03059777	271,9255043
-22,65288301	267,0130596	197,6236777	93,2366803	95,9876947	50,67932536	165,5623494
-22,71694722	269,021088	195,4134545	90,04124399	98,13747312	50,80967778	166,934693
-22,75549338	267,7911634	197,2434369	140,0498974	97,76699122	50,80546879	168,2191902
-22,67059118	264,2470397	196,2831421	172,2816882	97,23954144	49,01556835	160,7405903
-22,76017641	339,2168967	265,1144352	168,7535053	96,74960693	46,47780531	205,4893977
-22,70490152	520,7990934	277,9177291	146,5967018	95,58135374	46,75964886	321,8968999
-22,63778195	268,1552436	197,3305402	138,8096236	96,02283377	50,58749516	165,7398051
-22,56904181	277,033191	203,774904	101,5771434	95,32085008	50,4797541	170,621192
-22,49178417	285,5321697	210,1505353	101,779307	96,69278955	50,9224737	175,1432924
-22,56340463	347,5195441	248,4808185	173,1560546	93,77990541	50,12695244	200,7769836
-21,63305735	599,863563	384,6635745	252,215072	80,65728625	48,09199744	270,2566038
-20,81485174	190,6363609	440,7085761	149,5076103	76,78275555	44,54522148	321,2135098
-22,63329477	270,2255472	198,3353309	139,9134327	96,0353803	50,57899447	167,1428278
-22,50202623	284,4828862	209,9066158	101,6376486	95,76817503	50,92880915	173,2817944
-22,53464208	300,5588256	218,2274432	153,6944181	95,45414473	50,31887797	181,5925793
-22,38815073	395,9368303	281,0455005	186,0959832	91,72208344	49,75493855	223,2594447
-21,52400655	699,1052389	415,2532447	268,645833	78,21378777	47,43137089	276,2966608
-21,09790194	216,2193448	447,0787772	141,5601116	78,02772115	44,7587429	317,2675833
-22,64913899	268,603477	198,748078	138,1336314	96,06454693	50,60794377	166,4045416
-22,64701316	268,8077235	197,0296501	138,8583466	96,08672192	50,60816482	167,8029398
-22,64264755	270,0322586	199,7010249	102,429173	96,38759263	50,60553799	169,1241177
-22,61523278	283,4924193	209,4575475	103,4325553	96,21337934	50,5983153	175,8361484
-22,62740363	390,0729594	278,140894	109,2571618	95,68560252	50,6971478	221,5835703
-23,05419358	634,7149786	405,4434839	134,43844	97,79976346	48,69014384	293,2323541
-22,64774303	267,6302747	198,771622	138,1949839	96,06296099	50,60499303	165,6116198
-22,63601334	270,2019392	199,1178629	136,7677225	96,3014437	50,58642075	167,7535837
-22,62821268	270,9502992	199,0972991	140,744129	96,3400628	50,57569532	167,7775204
-22,5495843	284,7957509	208,5330365	100,7519948	96,28917166	50,471056	173,6300202
-22,39069261	390,4994066	279,2151445	182,5017017	91,78189173	50,32117626	219,0525133
-22,47043031	650,8869515	405,8967963	152,2188187	91,73039655	48,94372782	286,6902157
-22,62698314	270,0129976	200,1138716	137,3662854	96,58151549	50,57496749	167,9608356
-22,63192623	294,8356287	215,3548513	103,7419567	95,52899982	50,6744014	179,6991346
-22,76115301	316,9989793	229,9279531	96,91366945	96,37788102	49,81361491	191,0497611

-22,35212839	439,7386473	307,6871475	195,2869135	87,80833457	48,34706473	235,8539958
-22,14081095	673,1871569	421,6347407	140,3822305	89,62321693	46,1944422	286,7483193
-22,45637965	653,3716157	368,919502	156,7443095	91,60547522	45,66854304	342,0009938
-22,51675114	282,7124844	207,4991238	102,3174213	96,37631997	50,9617208	172,5675833
-22,43118702	383,5866247	274,2013638	178,5790638	91,90702234	49,90896117	219,6029365
-21,98521218	454,9565386	317,1883297	211,0417402	88,94211059	48,7901206	242,2006132
-21,63130635	655,8459981	406,1313377	250,2253687	83,5661607	46,7016833	271,2696324
-22,14014865	706,1161632	437,6361164	150,2182458	88,89372754	44,88030132	319,7406161
-22,40307094	622,3922728	337,5278902	145,9170718	90,17952739	44,96366591	355,0266989
-22,52882384	280,3874043	206,6500168	99,85230448	96,99019154	51,35079222	172,3306902
-22,73141712	316,3251557	230,2589657	159,1071701	95,90187717	50,14669212	189,3884746
-22,51300619	336,8342758	244,4448906	101,3154826	91,74185774	49,65535423	198,5753589
-22,38266244	413,9830914	291,1611859	192,6062246	91,0778089	48,50426721	228,8043441
-22,23168286	562,4190794	371,9203407	189,8035969	85,25775434	47,02588679	264,9189372
-22,62229372	626,3199326	393,6211604	149,8466783	81,67388377	42,60685592	326,4030208
-22,64584791	268,2996357	196,2306943	137,3050932	95,74373994	50,61789895	168,5227553
-22,66138691	269,5337894	198,85212	140,624634	96,28902146	50,82272254	165,247751
-22,672102	272,2708984	200,5521396	99,57418364	97,50339756	50,4395733	169,8918389
-22,73458681	288,6125879	208,9067988	99,11744157	96,36575492	50,41341425	176,8602806
-22,65886824	394,2391457	288,6963677	153,9352236	94,07420304	47,41410926	223,8348708
-22,4895676	573,0003711	345,6555978	159,8776881	91,80251909	45,77268242	333,2894114
-22,64740582	267,0218299	196,0258646	138,1370798	96,06520504	50,60453872	165,557973

APD30 2.5	APD30 5	APD30 10	APD30 20	t inicio alternantes	t fin alternantes
117,5660209	80,81276977	63,03266553	25,12834675	4,655118284	6,288763977
117,5768043	80,24131201	63,02310498	25,11812111	4,655118275	6,338795994
117,6142079	81,33035551	63,02925624	25,12373907	4,655118259	6,338796017
4583,692001	4520,791621	4485,152884	4409,526014	-2,804344258	29,1348469
118,7714565	81,5562028	60,67211485	24,01383536	4,688557113	6,339407323
146,8729182	89,96576634	56,8241628	22,59733059	4,805366638	5,372075118
117,6863997	80,49521278	63,02450727	25,11823576	4,655118117	6,322113155
117,8760483	81,53588884	60,5479213	25,09151722	4,655226342	6,272788114
119,1718621	59,91413762	61,96780447	25,06453187	4,671771626	6,138839475
124,7094172	84,96236395	63,55803626	25,27822111	4,755418776	6,055354035
161,6789313	100,5258935	56,59211594	22,64090561	5,122252257	5,605381654
224,6403579	100,821007	50,78465303	20,10095399	4,556436381	4,606116534
117,8675892	57,82647593	62,66729151	25,13340914	4,655511649	6,205396053
125,9664733	84,71185976	61,08603413	23,92166347	4,755772622	6,05545483
135,2328933	59,22423265	61,10702768	24,36886639	4,838999971	5,871903768
168,8511896	104,9517543	56,09515716	22,79507102	4,973027767	5,305919646
225,7239064	112,5498564	55,37094447	21,0050621	0	0
162,8343009	99,55621834	60,70604937	19,1602527	2,390372796	2,589671005
121,6222641	60,00587664	63,07142882	25,04130442	4,705325075	6,105380891
150,42392	68,33756098	57,48572346	23,07962556	5,005489067	5,772572083
162,9095519	100,4604801	54,40389791	22,68892423	5,055659266	5,422413917
213,8176693	98,61600744	49,94871802	21,26159273	4,623177958	4,672864238
250,7895292	114,3399572	52,25122257	20,13790181	0	0
152,1751206	109,5725405	61,66013762	19,86670963	2,323233214	2,622395177
120,3178819	63,44542863	62,96345201	25,09623623	4,705143839	6,138716076
140,8708344	63,46306132	62,15605182	24,41320343	4,938927086	5,82205955
155,6390172	103,2240824	55,66058017	22,80128254	5,072289008	5,755962635
184,9652961	123,8074175	48,8262224	21,60203868	5,172765619	5,372501296
215,4105759	62,44989503	33,77526145	17,60890023	3,906247984	3,939471292
67,26611365	37,53345874	24,70600582	15,43195702	-2,865499203	0,235970216
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117,1235268	80,23043965	63,07755192	25,12492718	4,655158621	6,338817131
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122,1888049	57,36824185	62,98224048	25,19213469	4,672381948	6,255713511
146,3070496	97,87446139	61,8513598	23,82079889	4,888659739	5,589443044
210,0279886	101,017767	57,2250961	21,44299016	4,022681585	4,022681585
118,0896221	81,83208034	64,36821328	25,11365712	4,655138216	6,238737611
120,0513597	60,74150016	62,66396076	25,02511869	4,671877551	6,238737624
121,976468	60,46197747	62,27491597	24,94503912	4,705298241	6,122865596
139,584006	98,0598732	62,20763657	23,67878392	4,856123179	6,006184583
183,0600791	122,3990372	53,63856993	23,56962465	5,156286407	5,98862514
198,6777305	91,87208784	64,85888404	21,81319774	3,723483224	3,756537902
116,2563147	80,1704362	64,31774563	25,09248516	4,655158377	6,272907508
120,1595776	57,92703426	62,66894169	24,94137078	4,672421848	6,122065035
123,8507129	83,7683519	62,98767984	24,99434947	4,755417404	6,105340508
139,896069	101,5041972	58,91662601	23,7441736	4,98935469	6,08866017
186,678073	137,2593796	47,22275001	22,7196996	5,873898667	6,655597956
201,5614313	140,9046913	41,06116387	20,66728635	-3,999041551	6,122005449
119,748074	79,47404201	63,07248653	25,00390859	4,688355374	6,155396208

133,8019802	96,86010981	61,11464163	24,7537219	4,888578672	6,005290245
144,8730732	69,23253713	59,20378865	24,10834677	5,005565165	6,155598702
182,9985608	129,3521273	50,59843242	23,45210907	5,740348023	6,122363739
198,2217547	143,6509529	38,86602048	20,23297149	-3,999026245	6,555540785
203,888595	143,4111716	40,62117244	19,79201629	-3,999414576	6,388797523
120,3798119	60,07230139	63,31819674	25,08481132	4,672025779	6,172059092
136,2053921	58,02235836	58,39562888	24,61407948	4,905351233	5,971945808
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177,6894151	126,9676908	53,88706393	24,01345463	5,539954259	6,0224692
207,0108943	111,9436612	63,08134337	24,18874195	4,673559665	4,739806377
216,9785046	140,8910658	85,35345019	26,03822009	-1,313971571	2,655826413
117,6077247	80,02067612	63,03788447	25,11596038	4,655118249	6,288787569
117,9857298	80,45744733	63,03902004	25,10567328	4,655138269	6,322110609
116,3577408	81,86644185	64,37349596	25,08616842	4,655158187	6,222191928
119,3442445	60,66853845	60,61890702	25,02046113	4,671858641	6,238786166
134,8028586	57,10621129	61,23161106	24,95700866	4,872068028	5,955280116
182,2776031	125,7988913	53,19699071	22,77472255	5,373178832	5,822660235
118,0337852	61,04478059	60,87499533	25,15090451	4,671830411	6,222057976
137,4991596	60,72028338	61,21768488	24,15462854	4,80561125	5,855222143
148,6833108	99,21376933	60,48913508	24,4857253	4,889228139	5,622108421
186,6375496	94,18450441	60,05574497	22,61689866	4,506452366	5,238287913
198,3522395	101,9956279	61,61290237	20,87364379	3,206207829	3,206207829
167,2007676	86,87549495	55,09428074	18,35459657	-3,995246276	2,589341793
119,5305012	60,77362096	62,09304687	25,1018321	4,671884189	6,205398924
135,8626821	59,78357462	61,13486255	24,31338027	4,838812977	5,888597145
144,3643395	66,43264216	57,9030273	22,86547944	4,938940011	5,70612747
190,7026043	103,7191073	50,82601564	21,60470742	4,873446627	4,972916231
238,9389859	110,1264291	47,67671827	18,93754164	1,120110191	1,120110191
275,8436686	103,1700318	52,76639978	19,35372456	0,903405763	3,872794791
118,5620247	79,4038373	64,35283796	25,08555238	4,65518294	6,238748133
120,4322813	59,96158991	62,07322085	25,16709796	4,705509862	6,071996422
124,6577368	63,10171206	63,32930019	24,60114025	4,805287727	6,038665509
148,7760409	98,44286423	59,30089816	22,97129215	5,03909398	5,971942755
197,5048006	130,9383081	49,1717182	21,68406399	5,240026312	5,423540202
234,6391808	105,9363397	51,81192434	19,72759531	3,856012845	3,922834988
117,9214075	81,74578122	64,34379057	25,07966867	4,655201867	6,222089276
121,5811432	83,92849654	61,3672782	25,02900735	4,75544628	6,072002045
127,2728418	93,17633301	60,20443471	23,79440924	4,788791841	6,088889478
156,8522165	109,3083401	59,72886393	22,86484001	5,172365639	5,988615149
199,7947947	135,5362991	48,66564323	21,73244624	5,373507598	5,589479639
236,5110702	101,3936187	51,68742709	20,05610405	4,189623424	4,239715969
144,600114	65,64126002	59,19826463	24,1120679	5,005540741	6,105344742
186,9315397	137,8681415	45,94792293	22,59518881	5,940320472	6,722296131
196,4815318	139,1873161	43,82157162	21,68053631	-3,031918612	6,572221035
199,5870088	144,6508304	38,83298188	20,89827506	-3,999035555	6,338773896
204,1214362	123,2163766	43,59401185	19,50839076	-3,998991995	5,505058213
217,3986032	109,1551226	59,61357887	20,55154418	3,406441368	3,406441368
117,290214	83,17828253	64,37570611	25,11207766	4,655182912	6,305453548
123,7539345	85,31212803	63,03370988	25,05424857	4,721881366	6,138706689
128,5475935	56,16297463	61,44820128	24,59467376	4,805250364	5,938597114

158,689195	106,7640038	59,88697652	23,7340638	4,955760992	5,572687979
218,2389065	102,7432927	58,71909419	22,2043618	3,906565636	3,906565636
186,175937	99,333502	58,04240469	19,79116086	2,673844177	2,673844177
116,3887408	55,33802652	62,55816073	25,17270033	4,638759548	6,272091624
121,2505444	56,13281227	61,65118543	24,45532804	4,70526606	6,256014287
127,3906866	84,46546286	63,61290803	24,48394782	4,75521859	5,805221861
152,7470874	88,81667423	58,95003666	22,48282959	4,70666716	5,022462008
221,3734909	115,42204	55,14359204	19,62595226	0	0
190,7905493	109,0239766	59,30360147	19,873976	2,523749675	2,573971991
118,7051006	80,20656161	63,14218499	25,32136177	4,655323307	6,356099876
125,8560305	60,02659104	61,12196735	24,95573906	4,605246085	5,82236647
130,482871	91,32371464	61,54140278	23,47502378	4,622101748	5,355759582
172,3437647	106,0955467	58,67971307	22,28429882	4,239048621	4,272204873
206,9978491	113,0793444	59,50336207	20,91557457	0	0
171,1906764	87,43731517	57,2112921	18,85400693	-3,996235596	2,123673964
134,1753025	91,20977824	63,17524254	24,59976982	4,822317545	5,921933818
184,0007919	89,58383494	54,2480876	21,87107321	4,939651409	5,072420777
4789,298347	4780,230252	4834,822821	4820,063572	-3,544658252	29,43055542
227,6144822	117,6806518	56,69605881	20,68489271	0	0
163,6703298	98,03995946	60,9735793	19,15971869	2,174040364	2,472809037
168,5147283	84,75862844	54,92125065	19,23694335	-3,309101374	2,755940673
129,6565237	92,90565801	60,61271643	23,78744901	4,789753725	6,038649388
173,8026448	122,7584319	53,25946357	22,80620219	5,356078495	5,872803648
183,0992106	129,3409974	53,07482818	22,97934607	5,390077247	5,739547702
209,612967	101,2695197	54,53076792	21,59772422	4,673427064	4,739993587
212,0183313	110,4171901	59,9341302	20,10613951	0	0
167,269073	89,33214779	57,82838978	18,87742658	-3,996222695	2,157239922
131,4759039	90,72857281	61,11661852	24,46615937	4,822292759	6,005719252
175,7482936	110,9873602	49,18686613	20,90790066	5,072442524	5,439028881
187,2601986	86,96010307	42,67177213	19,78516366	4,807160555	5,005561609
200,4371615	48,71290458	30,45939343	16,3705742	-2,397238857	2,97226559
37,36262252	30,89681604	26,28576731	15,88831177	0	0
37,75017485	29,53809575	25,18501835	15,75927527	0	0
116,3970161	55,46392717	62,63668874	25,172906	4,638786185	6,27211986
123,5009999	55,70531866	61,43301828	24,30100062	4,705217283	6,272642593
126,2513299	60,28946876	63,91331177	24,45896162	4,771768494	5,755517401
155,7942045	91,05508229	55,48975984	22,07364417	4,689935688	4,989072965
226,7807069	107,6152113	49,90378079	18,96279088	0,669897559	0,669897559
266,465319	112,8394399	54,28406787	19,65267755	3,323114106	3,323114106
117,2671621	60,66414397	64,42834567	25,04818109	4,671751795	6,272097694
126,2178001	63,10165956	63,29578447	24,46014269	4,805212733	6,089069519
131,3460397	93,19845393	61,09600097	23,60071248	4,822203989	5,9886182
155,4486925	105,3647702	58,18418377	24,18540816	5,122535193	6,039117971
198,8078967	134,2171403	56,81341815	24,39655328	5,623210552	5,723389774
271,6925839	122,3166504	64,74509173	26,02904808	-3,982089432	4,106446434
118,0011443	80,40451988	63,08423449	25,11690542	4,655158532	6,305433561
120,7943379	63,26047972	62,68036557	25,15165091	4,705033585	6,222073869
122,3994248	84,65539088	63,98190478	24,2172168	4,72229334	6,188751419
143,2834299	96,07918728	58,13760027	23,20938449	4,888984049	5,53865258
217,3270117	99,99752625	50,23528365	21,05340264	4,589725206	4,606089735

252,872776	114,077438	51,73435902	19,30867463	0,153070253	0,153070253
117,6279306	60,73100746	62,75566018	25,11941253	4,671664488	6,205390882
124,9304966	87,96538628	61,05570731	24,11491464	4,755627771	6,022021455
133,2525078	59,03380098	60,46459753	23,58409322	4,838877812	5,988813656
165,2174787	107,4803936	56,33724532	23,30916219	4,956117064	5,322498027
221,0941656	112,2079858	56,66795	20,422221	0	0
167,1555902	95,77342275	60,66672301	20,04508229	2,407307661	2,572756872
124,5879675	67,43255343	64,81794392	24,42247939	4,705344039	6,322647563
164,4490083	98,83381106	61,76014675	23,94533526	4,539775409	5,03878308
186,9251683	98,32878839	60,95014925	23,08467559	4,272573144	4,422577475
203,8534483	110,5161739	63,37737231	21,22937297	0	0
169,1125009	87,57898815	56,87506915	18,93877595	-3,995952446	2,273564642
161,8528443	84,53912152	54,08020431	18,00455096	-2,948182553	2,739189054
140,0234974	102,0411382	59,01013439	24,05973388	4,922776605	5,938596352
183,6462313	129,8667916	52,05408711	22,93364472	5,406016294	5,539209426
195,0399725	128,2797537	51,20659759	21,22095954	5,189444943	5,289462445
230,7092468	97,05611552	52,77143657	20,66038242	3,956305846	4,039586629
201,3419462	104,2671233	56,20749805	20,57183824	0	0
168,3257036	87,11407516	57,91272625	18,9046103	-3,995435866	2,20617054
123,4347457	64,08623828	60,45595884	24,94625869	4,738549161	6,055319291
159,7624735	106,5366444	57,87095662	23,11032982	5,023298923	5,788939858
170,9338762	114,0715571	57,29214226	23,63888624	5,122405441	5,55507612
197,0242306	86,55597298	60,65907656	23,65309215	4,473911417	5,021501725
194,4672867	96,58630993	61,91121179	20,61073305	2,791027795	3,056268855
160,0681222	85,62557913	54,70262768	18,5340643	-3,78897674	2,406288056
116,5100127	77,81415053	62,64406048	25,342731	4,655005852	6,255713684
117,780825	70,10945815	64,18856299	23,62860547	4,555167655	5,755182927
118,1120937	80,30786449	63,05309413	23,52504604	4,588400048	5,388522328
136,0045333	106,4174325	59,02816051	22,53108785	4,239180704	4,455555401
208,8660042	117,8700795	60,82490428	20,21762868	0	0
169,1421639	90,10111093	58,38761344	19,30227776	-1,991963734	2,206509525
117,0583975	53,93179091	62,6010172	25,28649613	4,638503401	6,406127734
119,5025048	83,26243619	63,18408687	24,6265782	4,521835618	6,088705026
118,7949544	85,9366467	67,05030993	24,73589932	4,455107066	6,089232929
132,479439	105,3028381	69,68159925	24,06260955	3,955098739	4,755903862
183,3594806	100,8800178	62,92363814	21,38167909	0	0
169,5833542	86,37286632	54,84034935	19,24841683	-3,995123569	2,32283768
117,5246509	80,77990823	63,01542129	25,1177044	4,655118297	6,322131512
117,5645697	81,10863174	63,03004747	25,12599374	4,655118447	6,338787773
115,8876085	80,43266566	64,28363747	25,14042262	4,655118571	6,288758947
117,9368201	78,94178391	61,77907253	25,23271998	4,655138495	6,305730733
118,6326999	54,30475443	61,99692295	24,38520388	4,605612277	6,056090587
135,8749569	106,1068498	60,83080402	21,81009157	4,521975692	4,873421981
115,9235003	79,19137894	62,23669953	25,32568983	4,655022348	6,255633999
114,6517639	71,47584324	63,38492634	24,87908293	4,555337122	5,888735261
114,3040066	69,97495667	62,80650047	23,2694528	4,571642248	5,621791588
118,9793763	106,6860289	56,86846951	20,74518248	4,505378094	4,82195093
181,1350958	114,8315637	54,79216894	20,75292134	0,853167984	0,853167984
216,9825596	116,2439326	60,43195075	20,58853064	2,64007588	2,788982311
115,1181536	68,07024922	62,41622641	24,03507511	4,655024098	6,372789745

113,6912944	61,11198978	61,85780848	23,48321909	4,571737723	5,638488942
112,9252329	75,5369662	58,65153822	22,67661664	4,505032706	5,205487697
118,7466468	109,9996391	57,28757791	21,55613468	4,48923721	4,522742226
186,0613082	120,8874988	57,54178091	20,01474815	0	0
154,8034565	105,2420344	61,21935232	20,54283528	2,140659816	2,456849702
114,8827095	64,5556732	64,17709147	23,33993625	4,571963158	5,772596253
111,3283051	102,4832525	56,45526767	21,79846682	4,505115016	4,888821615
113,4408669	105,791882	53,85312738	20,39047088	4,505630215	4,805493638
122,0855112	107,0009685	51,3010073	20,40986639	0	0
177,6473736	94,23096963	42,71504733	17,43509542	0	0
221,3687587	61,17414836	32,43108051	15,6925203	0	0
117,7293867	80,52399911	63,04076044	25,13740199	4,655118387	6,305436084
118,0058474	55,48717543	62,78620552	25,22568475	4,638603891	6,305441156
116,2805401	80,69480927	62,5536229	25,31353505	4,65505912	6,322293515
116,7273925	49,62071109	63,35401657	24,45387311	4,588604515	6,021981649
132,9330149	102,0619621	62,65790403	23,06627006	4,38847067	4,955748545
191,3838822	117,0461786	60,63271433	20,79775911	3,17272833	3,17272833
114,9883265	82,55707558	62,96106456	24,31705915	4,622026137	6,356099134
114,8608942	73,52727617	61,70683677	23,37982947	4,521868756	5,455447367
112,0582614	91,83893417	57,2070244	22,95965696	4,471849425	5,105937771
120,6076795	108,52197	57,27353231	20,42118309	0	0
193,2187599	119,2989761	58,30505041	20,01594755	0	0
165,0154669	103,0777798	63,60165697	20,55676646	2,173819585	2,455691917
115,2888003	48,45128993	63,24600214	24,628721	4,655255045	6,038661626
114,4769694	72,57734634	60,57219348	23,00111938	4,505244651	5,20569172
117,3312407	106,7778156	58,09929394	21,85701178	4,488502466	4,922044148
143,9845995	113,9587701	55,37013861	21,02773393	0,903127932	0,903127932
231,6617673	119,1870436	56,92939241	19,99492295	3,372954119	3,372954119
168,9929912	95,80109178	60,95632137	19,8354732	1,874110912	2,290728862
117,5669821	79,5185753	63,02030373	25,11739401	4,655118298	6,305436084
117,567609	80,26016385	63,03438097	25,11554478	4,655118307	6,272091571
117,5268391	79,75364872	63,02316927	25,1166983	4,655118292	6,30545039
117,5535542	81,1726808	64,33168272	25,11368872	4,655118291	6,272708565
116,1531203	79,50455498	63,40766498	25,1632404	4,655138825	6,305438472
118,0876119	61,38998903	63,4168761	24,20940039	4,671857754	6,322750894
117,2309545	77,93462087	62,72176394	25,25915242	4,655022696	6,289086643
117,7112337	72,3288215	64,2158626	24,60328102	4,588419104	6,022334582
124,0157839	67,32356014	62,8306903	23,58847302	4,523358618	5,839781224
144,4551446	100,4910858	65,34198295	24,00769299	4,188520619	4,755670506
192,9326748	105,1318379	60,46449025	21,16996917	3,156832569	3,156832569
169,6586373	85,96975433	57,34080838	19,20997075	-3,995745191	2,224124204
116,5663023	57,87422625	62,4174182	24,11661625	4,671877661	6,272094424
120,2432193	67,58631549	53,62759025	22,64607573	4,655193261	5,738986871
124,1529896	69,15690645	46,53376597	19,90860703	4,588679109	5,338590331
145,7346078	69,00315253	31,67319356	16,1746468	4,571953852	4,755095004
196,3566279	68,49548515	27,79482652	14,47948296	0	0
211,5840035	72,45008642	27,43065505	14,11116752	0	0
115,8434519	81,79785081	64,30347782	25,14583237	4,655118705	6,27213498
115,8973664	80,1095438	62,37708327	23,99270235	4,65512059	6,172111166
116,9142382	65,95303347	63,22510487	24,49065814	4,60550788	6,439393913

116,6837274	67,45714582	65,6409764	24,32132366	4,638272063	5,672433677
145,9202652	105,085386	56,10003912	20,70475206	-2,64857215	4,406038411
231,6134092	117,9675825	57,07986899	20,47572652	0	0
115,492101	54,72911844	62,62538101	25,21926918	4,638579654	6,33896785
115,7771348	49,19475204	63,69273728	24,4140347	4,588419799	6,122578478
116,9247067	68,83517557	63,66067936	23,65785256	4,555226562	5,888662915
114,9308996	91,33073463	59,43788476	22,38697271	4,405117322	4,972262891
160,6172147	121,620945	60,58213033	20,75717288	0	0
185,1321215	102,7581473	62,19356081	20,53638087	2,357111447	2,605989422
117,4985681	81,68112971	63,0477578	25,12912459	4,655118523	6,305446953
116,1365472	80,45247902	63,6982196	25,26966569	4,654989823	6,306102899
117,8309293	80,63758262	61,82882794	23,9815361	4,622025498	6,18872217
114,7183265	58,99221754	64,88126446	24,54740102	4,571710605	5,955279782
112,709111	104,3755169	62,26826163	23,33918101	4,321717077	4,805284791
161,4143862	123,9918633	62,35969333	20,35595605	0	0
114,7404292	64,87459574	63,66347976	24,37038299	4,621978229	6,022666192
112,1970732	87,61297467	60,41123913	22,93900707	4,521706515	5,139078277
110,55384	105,3462369	57,24657133	20,9545076	4,505240453	4,889135339
124,4588208	116,09098	54,06758946	20,3996251	0	0
164,5625499	110,2898859	53,02817759	19,4614877	0	0
179,7872273	115,3750527	53,73082071	19,34015947	0	0
115,5665525	80,68075019	63,02390006	25,27471872	4,655038491	6,255451236
116,7198629	60,05147156	64,93872941	23,81698096	4,572018796	5,88866339
113,1362985	59,10279462	65,59526468	23,95760023	4,5717611	5,855913755
112,5181952	102,313765	54,9973505	20,8859881	4,538631386	4,955440953
135,8096346	120,5773579	53,92360501	19,89594491	0	0
169,3333878	115,5701356	52,30061178	19,20300811	0	0
115,554759	79,14293393	63,74342243	25,26801025	4,655038136	6,222065914
114,3372517	84,94530704	62,63427906	24,06441598	4,572206163	5,938607666
114,1344637	81,18632925	60,58609733	24,37148042	4,588394157	5,655221356
112,2740929	103,4360449	60,13121385	21,16233534	4,505160299	4,905471301
138,5576697	116,0528237	53,94966534	19,79112151	0	0
173,9812002	115,937491	52,25748839	19,2563488	0	0
111,7911922	90,78008694	58,02949305	22,30475587	4,505097551	5,022170946
127,7923699	114,4215331	52,42567397	19,76188722	0	0
141,8011047	120,3543999	53,66962803	19,19644593	0	0
166,7217417	113,7964758	53,07413168	19,76429172	0	0
181,6406656	118,4850467	51,07057454	19,78995935	0	0
185,6072235	115,1038414	52,92359406	19,33320666	0	0
115,8508737	81,55813247	64,44212863	25,13324481	4,655118613	6,222070674
118,0803554	80,22694515	62,91239012	25,34658851	4,655022512	6,372805185
117,1971506	82,0564939	62,89932966	24,31396527	4,622063911	6,406093331
116,9159934	73,15015365	62,3307348	23,59553131	4,555180796	5,889224089
132,3106262	102,3977889	58,92084023	21,98727775	4,388687762	4,60533162
214,2590629	122,3877776	56,89478229	20,44776658	0	0
115,8459673	78,04166773	63,34959796	23,99470109	4,622052697	6,188747275
115,9181723	81,68001098	61,63724549	24,39498799	4,571808446	5,739076438
116,4570094	65,33080521	63,10444805	22,89637017	4,471856646	5,30569662
127,6494441	105,663117	58,6717542	21,75909642	4,122655806	4,221981604
193,1468084	113,3065578	61,36834956	20,49970076	0	0

169,8419361	89,73925517	59,96039316	18,73338769	-3,995143086	2,106766104
115,9150275	54,64854414	62,73352096	25,26064036	4,638531444	6,372723611
118,9045049	69,8449247	63,51248963	24,5660866	4,555066103	5,988637607
121,2158419	54,98265338	66,88686623	23,58727075	4,505139403	5,956006993
133,0936924	109,5940899	68,46384505	24,4002804	4,138480881	4,772342189
193,8317637	108,8736333	62,81732212	21,30629237	0	0
162,7746586	85,7588577	57,2722412	19,1820587	-3,99577781	2,207158711
117,6184386	82,34266567	64,44640725	25,0707074	4,655326428	6,288775576
129,1313503	88,29431174	60,7368959	24,60958423	4,788739587	6,038866429
135,857878	98,00689927	61,67685016	23,66362471	4,888940346	5,888575256
169,2132377	114,5123377	53,95383133	23,15493616	5,1572847	5,639058388
225,7324951	100,0056203	52,64523339	21,3273364	4,256436117	4,289922749
219,1272186	111,6213029	56,29660522	19,82195706	0	0
117,6281513	80,58366009	63,02920771	25,1344595	4,655118422	6,322108161
118,1484201	54,70171029	63,58602006	25,24180204	4,638551496	6,35549179
118,9336385	79,85806452	64,02082164	25,37654802	4,621981545	6,389458523
122,2832982	72,2682192	63,87665555	23,95271454	4,555372659	6,156014192
145,8479007	89,05860898	66,85909829	23,61541871	4,205335164	4,971474024
184,5878573	98,56126798	63,06630789	22,78447262	3,073978684	3,372491712
117,9900782	79,80280035	62,65411615	25,16791025	4,655118961	6,188714131
118,010704	83,62751376	63,30854038	24,47498404	4,638443099	6,155871948
117,6853605	86,01029919	63,32367817	24,41873776	4,605285116	5,988927459
126,427659	93,64345147	62,57034439	23,8183155	4,53860952	5,222221795
188,4818253	112,8472826	57,74981329	20,82878224	0	0
202,9780799	105,7426189	58,73749859	19,86856923	0	0
117,5217833	81,94904744	63,04513065	25,11361448	4,655118315	6,305443513
115,9190102	79,4670349	63,39953369	25,14912679	4,655118673	6,255409742
116,3604237	55,46312701	62,61594693	25,18159813	4,638654297	6,238758329
116,600175	79,61122076	62,91360254	24,02049248	4,688705344	6,322783477
127,333468	88,23656912	63,3123168	23,31670225	4,60534827	5,555084789
186,2524639	107,7531392	56,20847457	21,31757394	4,239372931	4,239372931
117,3305922	79,53744754	63,55604813	25,16356637	4,655118595	6,238740199
117,9833408	80,90107872	63,44663664	24,24092579	4,655138016	6,322777233
122,1130662	68,40089813	61,43899786	24,43343954	4,622118432	5,905253765
134,0201015	78,62580365	61,50817912	23,54484899	4,588735916	5,389173797
196,7243737	110,634283	60,29793208	21,98648563	0	0
171,2895291	99,54143642	60,59979601	19,16237074	2,423999105	2,623031747
117,4832744	59,33424885	63,1765993	24,26262182	4,639199627	6,372759449
129,06312	90,08577355	62,167574	22,64198047	4,671924295	5,305533524
141,6449578	93,8741201	58,53907116	21,7683249	4,638674271	4,972396689
191,5505664	104,3814136	52,51714777	19,88159544	0,819871713	0,819871713
266,748029	108,0160487	52,16146897	18,5716695	1,30355097	1,30355097
280,8011565	113,9621992	57,19834901	20,75121773	3,006792486	3,055793336
117,9649629	83,18427483	61,0701797	24,33180735	4,655330607	5,972669944
137,6451959	98,04389616	58,41234915	22,25720193	4,622022034	5,038847755
158,5905557	103,7808871	54,63999792	21,0988384	0,219465445	4,772089209
209,7855733	112,3498377	50,09294686	19,5018209	1,253449981	1,253449981
278,3353186	101,9144441	50,11699943	18,61678304	1,553638327	4,172690543
286,4122921	115,1849594	57,10347969	19,65088498	3,173298538	3,222639782
117,2182865	62,92460747	62,85156262	25,38826024	4,671812964	6,306100129

126,4887108	61,79946886	61,46362419	22,41644615	4,655328714	5,521767787
135,1921376	95,99080599	58,02204769	22,44332465	4,62202081	5,023601682
183,3394043	98,99409823	47,3230075	19,7704216	1,019902417	1,019902417
258,1759463	86,82591108	37,22683326	16,71652739	0	0
223,4802297	75,09393686	29,86101593	16,06197986	0	0
117,6317761	81,84306498	63,02546043	25,12349383	4,655118247	6,338805695
118,5528378	61,16644133	64,42082829	25,15676826	4,638759061	6,255420214
117,380152	57,96357632	63,00172561	25,19181324	4,671835742	6,272091786
123,8820059	83,49892991	63,97814524	24,0067576	4,688628245	6,322730648
153,7955706	73,12386194	58,84507645	23,47301214	4,722231754	5,188947928
212,2720961	113,4250367	56,97193559	21,38398894	3,472772125	3,472772125
116,3191854	79,45260778	60,86514211	25,08622929	4,655158263	6,238751672
120,1745859	60,61199809	62,60317742	24,92816776	4,705121584	6,155384117
123,7761768	84,84945487	61,35952383	24,85564023	4,755315309	6,072015335
144,7915049	67,6108449	59,03513882	24,13609261	5,005469401	6,122019402
189,8872451	138,1687302	46,28771325	22,29080245	5,857157839	6,655600367
202,4416396	134,8950496	43,22749821	20,08860125	-3,999023288	5,621782435
117,2449023	80,13132463	64,43985115	25,13427269	4,655118506	6,222067743
119,3477914	81,15578977	63,29220977	25,33400142	4,655283921	6,238917128
118,6396726	80,22709229	63,06976683	24,24626152	4,655099758	6,088670627
127,5943183	59,90260302	63,03031949	25,0492829	4,605205564	5,789235775
175,9159005	103,005668	63,90020813	22,99204182	4,006421547	4,139125179
198,5727755	100,8304143	58,99278779	19,90685038	0	0
116,5005221	82,00804904	64,35510523	25,09550156	4,655177812	6,305440973
122,71432	61,15309603	63,46087063	25,1382166	4,705049371	6,238740093
120,8376552	63,63802176	63,64949953	25,18503897	4,738514773	6,138707439
135,9677478	92,039797	62,4995426	24,39100747	4,822284315	5,98934719
169,6176233	91,58429835	51,49551721	22,12626696	4,373194022	4,52223881
82,12706924	52,81341787	38,7618357	19,49687815	-3,565840391	1,636595417
118,9398992	79,6301358	63,04316013	25,08111525	4,655226161	6,288777638
123,8207783	86,01538296	61,61592362	24,809635	4,755315182	6,055353522
129,6846916	93,06483107	60,42239215	25,07374071	4,821888624	6,055474786
161,0174802	111,7435865	54,88961447	23,39598072	5,289057796	6,105704626
196,4935586	143,5809307	45,47765006	22,73026991	5,956536904	6,655597194
203,143349	139,0888808	41,0323435	19,04343127	-3,999034272	5,738502577
121,7570865	58,5543665	62,82475618	25,01441998	4,705252061	6,155375431
132,9955659	96,66031409	61,71507189	24,43774448	4,888764791	6,456541821
140,3160945	100,6937096	58,31573178	24,11839281	4,988963514	6,172065251
165,568573	119,6353041	55,79773393	23,56626699	5,306278221	6,105569997
196,0101756	138,1671433	49,11974234	23,83741947	5,974558949	6,855692777
200,2158343	142,7823699	43,73186679	22,79668287	-3,999084873	7,506958466
117,5671786	80,60135521	60,50032176	25,13958288	4,655118442	6,256509708
117,505619	53,37953148	62,83599157	25,3406616	4,671812552	6,272635288
119,8206224	61,11235658	60,45010235	24,22042712	4,671928863	6,122183979
127,1986795	60,63769041	59,77057418	23,51038566	4,705305071	5,688805672
188,579368	104,1388972	56,79751863	21,60476826	4,256067403	4,289488118
224,89155	115,5145459	57,45007	20,49343487	0	0
117,5640027	80,82468198	63,01345796	25,11928247	4,655118277	6,322131518
117,6228043	81,22085576	63,03091259	25,12682603	4,655118284	6,338795998
117,7057514	80,16855712	64,39263431	25,1271107	4,655118305	6,305801818

116,6180968	81,11900445	62,06239934	25,20456772	4,655587804	6,288794125
123,9292893	84,92565924	61,30871182	24,45076605	4,688709131	5,922111873
161,1509632	107,178229	61,39940756	22,9142952	4,472932238	4,872204384
116,1258682	79,8591744	61,97323503	25,27458032	4,655059246	6,355467287
119,1427808	59,9535331	64,22532811	24,57207552	4,571867388	5,98865979
122,9897083	58,77252943	65,04053215	23,46852417	4,538634904	5,889356017
141,012783	103,8902207	63,48642762	22,73765329	4,238529	4,688828126
202,7968649	109,2147449	62,91766039	20,61399795	0	0
164,2285939	90,59453068	57,32139423	18,85504585	-3,995992169	2,172641892
117,6214248	81,10788964	63,04107683	25,11798808	4,655118201	6,255412178
118,1934532	81,43402924	64,25580063	25,10645184	4,655138173	6,305450207
117,7032643	79,6863725	64,37448301	25,11354223	4,655182896	6,238759755
118,8000144	60,86463024	60,67836799	25,03995948	4,672002556	6,138692354
142,7468824	63,42330468	60,29108267	23,92336313	4,872916479	5,838546642
188,1213226	90,86975048	60,26030099	23,33897168	4,941004525	5,638463084
118,6017999	82,9678807	64,42623466	25,04451561	4,655350239	6,222079401
129,4328345	92,72568942	60,09678329	23,75898685	4,788814732	6,105489339
139,2310518	62,24365702	60,62515215	24,23405329	4,905859459	6,305439679
172,5657719	122,313645	51,61206307	23,71209151	5,456102993	6,022596189
201,6999517	137,6679309	47,26507932	21,44577274	-1,214407824	6,021972643
242,9934126	96,93858259	54,25006839	20,14278919	4,106326331	4,139635389
116,2702356	79,59025363	63,75878	25,18984198	4,655626326	6,155400657
121,7662896	83,34619167	61,67507176	24,32509244	4,705593065	5,855233064
127,6112132	88,01190517	63,95210531	24,62052302	4,688597214	5,755219961
153,5283371	97,48099311	57,90188189	22,21675938	4,639328703	4,93909633
225,2273086	116,0961072	55,14308994	20,16769943	0	0
183,8317114	107,5137849	60,1885958	19,87003488	2,473626695	2,672671243
117,7071345	80,53626111	63,5569212	25,15503212	4,655118736	6,222073612
118,9973955	80,70358109	63,11857195	24,20877267	4,622064064	6,372787597
119,9400269	52,85863892	63,83937602	24,71654685	4,605216084	6,038699694
129,8048087	62,91725177	64,52110562	24,70912643	4,488890615	5,505304377
176,483122	108,7621108	66,88792253	23,21425019	3,690001945	3,706290212
169,9741664	93,93847689	58,89396846	19,698273	2,474094807	2,589733266
117,3796844	84,73034516	61,85268587	24,46825957	4,571860042	5,921977888
117,8780379	108,595004	60,24430429	21,89983709	4,43853359	4,938688277
127,9174363	105,8400885	58,46190311	21,62466268	4,406009938	4,522081983
180,4723039	117,2052885	59,69727312	19,95627534	0	0
165,5471808	107,5922612	60,52906836	20,58090746	2,440260392	2,639060505
169,1463959	88,41337763	59,98940625	18,81679784	-3,996036162	2,705920462
118,354766	82,65958282	61,97594219	25,10807073	4,655226381	6,205415427
125,8311052	63,78895168	63,41575538	25,21885574	4,771806806	6,0386496
133,9506518	58,1467967	61,4232476	24,9273402	4,805462981	5,971946157
162,8480289	100,6690607	57,87042822	23,24963132	5,056817024	5,688904205
214,3343033	95,22185309	58,61253313	22,10553299	4,172818926	4,206411691
200,2235839	102,8718369	58,21686954	20,09981391	0	0
117,8225901	81,8847766	63,42940497	25,11739378	4,655226549	6,305456869
124,0493505	61,24861699	63,21287967	25,11519038	4,738514125	6,172081741
126,6902182	87,36982296	61,41982193	24,1021218	4,788758813	5,971970867
151,0983263	105,3595823	54,82058751	23,51023165	4,988880764	5,738506947
195,1790421	89,99861906	41,28835516	19,14290871	4,673423499	4,772338899

209,995464	52,22345557	29,19944615	15,52520761	3,055345273	3,104520978
116,368095	80,98576068	64,37770066	25,08637586	4,655158114	6,256125788
120,1465294	59,81061544	60,60136866	24,89657409	4,70527368	6,239124722
124,3121221	86,60160584	61,6456163	24,57311322	4,755527459	6,105372645
146,6715743	68,19131735	59,31582232	24,12923199	5,005628313	6,038639014
188,2038502	140,1189522	48,15267939	23,24926016	5,841342032	6,522201905
206,6568675	82,30115027	44,35317353	19,52433505	-3,998969948	5,054850352
117,5534439	81,05897856	63,03504103	25,11977788	4,655118291	6,32210811
116,1944416	56,08175537	64,37224834	25,16460681	4,638680128	6,305450284
116,4702396	82,22941451	62,01601435	25,20417685	4,656103537	6,255419954
120,3338845	57,01802534	60,48554377	24,18570312	4,70502085	6,289404291
141,0643405	70,83790634	62,76821653	23,72379373	4,688918276	5,288993915
211,8249026	112,3347948	58,78664987	20,57545943	0	0
117,6520813	81,10172646	63,02694149	25,12114279	4,655118163	6,305436083
117,6008264	82,38051358	64,3490067	25,11593819	4,655182951	6,28876396
117,9798578	59,9183274	63,41608592	25,11441835	4,671697499	6,25540982
120,8115482	82,7872568	63,33320043	25,07617171	4,721799975	6,189431617
151,5914824	72,68049019	56,88836323	23,41971953	4,972165218	5,538681949
223,3880255	101,8169355	54,13943077	19,97811585	4,289604616	4,289604616
117,9578207	81,48408872	64,34678904	25,13205137	4,655138608	6,255443016
120,516637	54,22131544	63,34039463	25,26926876	4,671812271	6,305436078
120,254884	84,201513	63,37445098	23,9657168	4,688759831	6,18966651
137,4239636	63,49631412	61,66832408	24,63668662	4,705527863	5,788541181
188,8501896	98,48223569	64,13642356	22,76726484	4,206038923	4,255937203
190,2573861	96,03742036	57,99941495	19,74065029	2,607392273	2,889939148
117,684788	81,97530292	63,72311391	25,05095728	4,588455696	5,855449252
130,5146689	103,7075336	61,59920023	22,0791645	4,188762813	4,455603478
147,6780375	112,8918535	64,74029533	22,26987122	3,839406183	3,939522562
195,2944944	117,2727927	61,75009606	20,68932692	0	0
167,1257137	90,12196707	57,154121	18,80199382	-3,996149315	2,156479425
162,4500648	84,15487138	53,24393628	17,87926463	-2,961009676	2,789202509
117,9515767	53,5475873	63,06305001	25,36339294	4,671813607	6,322779448
135,6610189	66,9423309	60,67267173	23,72496894	4,671986957	5,622367504
150,2715757	100,075546	63,10630684	23,60938589	4,605453752	5,189177148
195,1509492	104,483638	62,56237953	22,65540795	3,773093956	3,839488547
183,4078268	98,40820969	57,80798237	19,76629208	2,573899018	2,573899018
171,39587	85,62208162	55,1871708	18,32006952	-3,542748242	2,739234805
117,5484874	81,11059816	63,03601715	25,1226339	4,655118292	6,288764018
117,4179539	79,98210583	63,50170209	25,16904543	4,655118602	6,222099619
116,3233021	79,5560015	62,98581306	25,2130026	4,655257796	6,188770085
120,5605064	60,99561304	63,49755806	24,29005427	4,638688501	6,372751156
135,3056623	93,523141	61,36744464	23,61998069	4,572480705	5,338665882
201,6132209	114,7842916	60,34261217	21,08097105	0	0
115,8403315	80,03621406	63,46461768	25,16046636	4,655118845	6,272139946
116,1888065	71,40415037	62,80773585	24,27162919	4,655024801	6,155392183
116,6874505	65,98794296	63,59851763	24,42298847	4,621732437	5,955334324
118,3971739	74,54682521	62,84310485	23,51824029	4,521799609	5,455691404
154,6129587	111,3236071	60,80539783	21,84409845	3,972540116	4,005714196
200,6052415	106,4641597	61,77856241	19,85270545	0	0
118,106313	59,99014995	62,57372321	24,30110607	4,671793507	6,238755046

127,7939959	63,20111281	54,81755867	22,01543536	4,771988387	6,122559769
131,7101588	53,83353266	48,96479897	21,46380015	4,838788411	5,738500755
159,1458918	111,5180941	37,44516992	18,81323359	4,955734041	5,40530326
186,9930077	43,01127468	28,62259013	17,12059779	3,457133593	3,637509718
33,85430466	28,27202155	23,58783483	14,84420467	0	0
117,6363651	80,28807309	64,24486226	25,11258444	4,655118167	6,255425647
116,3264659	79,45188824	64,30778496	25,09312026	4,65515827	6,255419808
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121,0684339	61,25963307	62,75234108	24,9283483	4,705121487	6,155387093
141,8296769	65,75413923	58,78941766	24,15447292	5,005475007	6,139039177
191,1737641	136,59995	49,53758762	23,52123339	5,773096549	6,45550498
117,6757743	81,05843241	63,05034529	25,11091179	4,655118139	6,255431451
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117,0744864	80,16092118	62,03616995	25,04810524	4,65529879	6,188718585
121,2337544	61,06150316	63,01481547	25,03001524	4,738744906	6,155381712
155,3151163	104,800128	57,18912785	24,05396264	5,155740045	6,02196167
192,620868	139,5279859	45,55685997	22,83963422	5,973560954	6,605573881
115,5202639	54,73517057	62,76344209	25,20812099	4,638604083	6,305458266
116,9443123	49,38151037	63,22478172	24,40497296	4,588652239	6,038655807
115,8594192	81,22719015	61,64786612	24,93840786	4,588358169	5,788530301
115,2370199	85,30282509	60,18238982	22,51948198	4,43830554	5,072349466
157,949532	116,4788821	62,06745189	21,30718712	0	0
169,309308	105,3127208	63,12895339	20,54449566	2,507204112	2,639132564
118,2027463	81,96628437	64,28038306	25,09712676	4,65513806	6,222089395
119,1191133	60,11271236	63,0682285	24,95143215	4,67210447	6,172070355
122,9487348	61,07655852	62,78304666	25,0375647	4,738719619	6,206312846
140,3613773	101,5647884	61,14757447	24,65519518	4,955631146	6,155353847
187,9868154	133,4547801	50,12411353	23,17337633	5,773430282	6,638929262
204,2191972	97,6637952	43,60515085	20,27766501	-3,99903688	5,35499305
117,4928709	81,9506837	63,04994555	25,08617522	4,655182709	6,3054335
121,2011758	60,94916296	62,6418137	25,05569838	4,738551783	6,088665923
126,1296925	91,86192476	59,26564267	25,27224725	4,788609124	6,02198801
154,3345958	107,2783804	57,10039562	24,07158676	5,139131418	6,089571391
196,6739587	140,3751903	46,37453219	22,32278168	5,890723761	6,572224518
203,8977825	93,67687127	45,95563834	20,06938568	-3,998964413	5,23826079
117,6568897	80,9336859	63,02039693	25,12189982	4,655118197	6,32211065
117,8061595	81,01534607	63,07099952	25,12450663	4,655158436	6,322118152
116,8424158	62,7472266	64,42928314	25,12379218	4,638974756	6,288758944
124,0909451	63,19107864	62,35346106	25,13359875	4,705123927	6,188713876
152,3208563	66,05511092	60,45586189	23,27670259	4,905552759	5,722819854
206,1862618	93,13754458	63,7633893	21,86644895	4,090266094	4,090266094
117,6553083	81,00821121	63,02108571	25,11840644	4,655118162	6,322113146
117,7444204	79,85389347	64,37815203	25,09696262	4,655182981	6,222062931
117,4120207	81,90177391	64,45184233	25,08428782	4,655250423	6,222089322
121,7616178	60,49651401	61,23195186	24,95066703	4,705399407	6,122531821
153,9402231	90,97733782	56,75541046	24,26149122	5,006831416	5,838949352
193,9957778	103,5058636	56,4862706	22,34184056	4,723814053	5,338340626
118,2762972	80,27009213	64,32810302	25,08205384	4,655226143	6,305456907
123,4683182	63,60484488	63,35335828	25,26037397	4,772035295	6,088692724
131,5135883	58,10861575	61,2935124	23,9600818	4,805780014	5,98862072

161,0624852	110,9963494	53,23626558	22,77013508	5,090265148	5,923938787
212,2776684	97,44017613	53,99474007	20,43895215	4,523205649	4,639328455
222,7590504	113,7470193	58,27065155	20,00308196	0	0
122,0351516	60,27373113	61,37103633	25,13540647	4,705573805	6,055319182
150,6958343	100,2854764	58,42164855	22,93599299	5,022365071	6,055635802
164,3267152	116,6264485	55,02874399	23,7320711	5,306438754	5,888822869
194,8116025	132,5091449	51,96883237	22,81667754	5,374038246	5,472783547
235,7852667	101,6619657	52,78578314	20,73332223	3,922830977	3,956256515
208,6636019	106,0748915	58,64395689	20,34795811	0	0
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131,0953314	91,84552409	61,13561808	23,58939269	4,839090366	6,005328429
137,5431238	60,22472381	58,72390989	24,49107711	4,938592198	6,205380063
158,6580929	106,2274604	56,36867239	23,08020147	5,107144776	5,955607273
189,6274574	101,9323497	49,23345523	21,62085455	5,006795403	5,055940379
227,1459635	95,37850882	46,59266067	18,94841607	0	0
115,9218267	80,41525545	63,54822408	25,13490062	4,655118587	6,273104725
116,0033226	79,01944181	61,79527885	25,36870061	4,655283241	6,3223204
120,146224	58,74001917	63,05204841	24,33286193	4,638485876	6,38942095
122,4732117	57,74410858	63,02665343	23,65076367	4,58884861	5,688496388
166,689011	105,8231868	60,79158718	22,16613651	4,272392302	4,305535303
214,3233954	118,8181221	60,16699931	19,91113217	0	0
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Duración alternantes	t Ko entre 8 y 13 mM
1,633645693	15,57231887
1,683677719	15,57231891
1,683677758	15,57228157
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0,566708481	15,08976492
1,666995038	15,57231701
1,617561773	15,55557618
1,467067849	15,55485493
1,299935259	15,43123355
0,483129397	14,64016471
0,049680153	13,50224151
1,549884405	15,5665247
1,299682208	15,44070444
1,032903796	15,3478289
0,332891879	14,92115146
0	14,81868669
0,199298209	14,58536771
1,400055816	15,50453642
0,767083016	14,93695546
0,366754651	14,55676453
0,04968628	13,70039554
0	13,88946252
0,299161963	14,99077948
1,433572236	15,52102121
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0,683673627	14,77427572
0,199735677	14,29898896
0,033223308	17,18776165
3,101469418	13,37013982
1,61699088	15,5723179
1,68365851	15,57216402
1,650271259	15,55992141
1,583331563	15,54365868
0,700783304	15,35617846
0	15,45328967
1,583599396	15,56045678
1,566860073	15,53871021
1,417567355	15,52107792
1,150061404	15,2889791
0,832338733	14,938801
0,033054678	16,02207526
1,617749131	15,56428218
1,449643187	15,5214162
1,349923104	15,45475843
1,09930548	14,87592349
0,781699289	12,93686714
10,121047	4,585003326
1,467040834	15,52379067

1,116711573	15,20718653
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0,382015716	13,4388427
10,55456703	3,706358133
10,3882121	3,699844258
1,500033313	15,55495404
1,066594576	15,13848252
1,049689202	14,78567786
0,482514941	13,68468703
0,066246712	13,66157334
3,969797984	13,44533323
1,633669319	15,57231817
1,666972339	15,55829175
1,567033741	15,5718623
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1,083212088	15,22350513
0,449481403	13,98614827
1,550227565	15,57186022
1,049610892	15,54675418
0,732880282	15,52294516
0,731835547	15,95555845
0	15,1683148
6,584588069	13,30355516
1,533514735	15,53852705
1,049784168	15,25528312
0,767187459	14,98649941
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0	12,85546802
2,969389028	13,83480883
1,583565193	15,57184622
1,36648656	15,48825872
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0,18351389	13,70146216
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1,566887409	15,57174815
1,316555765	15,45475156
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0,215972041	13,16909729
0,050092545	13,92243692
1,099804002	14,80607298
0,781975659	12,72602245
9,604139647	5,966801833
10,33780945	3,752364789
9,504050208	11,17384491
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1,650270636	15,57194566
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1,13334675	15,43996248

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0	15,42352865
0	14,47274677
1,633332076	15,55666946
1,550748227	15,52350254
1,050003271	15,47218364
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1,217120385	15,68813932
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0,066566522	14,38679942
0	14,91819773
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1,183426493	15,28827019
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1,600345899	15,55518238
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1,266393684	15,45713652
1,149935844	15,37186403
0,366380962	15,0370528
0	15,05786914
0,165449211	14,44044671
1,617303524	15,62361569
0,499007672	15,99049612
0,150004331	16,15646718
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5,687371607	12,63718848
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0,083280783	14,72256562
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0,765640936	15,17247682
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1,600707832	15,58869659
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0,80012228	15,7297043
0,216374697	15,55619443
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4,198473259	14,15443802
1,767624333	15,62172488
1,566869407	15,92319164
1,634125863	16,18849576
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6,317961248	13,32047772
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1,683669326	15,57232781
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1,433377134	15,67083002
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0	14,92229189
0,281872332	15,00407283
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0,433541682	15,03999633
0	14,37405478
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1,650299646	15,57226906
1,65089314	15,5772963
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1,316422606	16,00769687
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1,633449148	15,55535875
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0,033486632	14,49023536
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1,767476979	15,62261717
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1,53359517	15,57222616
1,517428849	15,59429149
1,383642343	15,62296827
0,683612275	15,55816763
0	15,02198208
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0,633609229	15,25367387
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