

# ANEXOS A LA MEMORIA

## ANEXO 1

Datos para la elaboración de los gráficos de las figuras 4.14, 4.16, 4.17, 5.1 y 5.2 de la memoria del proyecto. A partir de estos datos se puede calcular la variación del peso relativo y el caudal de pérdida de peso para las muestras de los ensayos en laboratorio sometidos a secado con humedades relativas del 30% y del 60% y para la muestra de campo Agrópolis, cuyo caudal de pérdida de peso se estudia a la profundidad real de la muestra de campo (0,5m) y a la profundidad de la bandeja de ensayo de laboratorio (0,1m).

Horas	Ensayo 14/03/15 (HR 30%)						AGRÓPOLIS					Ensayo 14/02/16 (HR 60%)							
	Wmaterial (kg)	W <sub>0</sub> -Wactual	$[(W_0 - W_{actual}) / W_0] * 0.1 * \text{kg} / (\text{m}^2 * \text{hora})$	HR% consigna	HR% cámara	Temperatura (°C)	Succión (Mpa)	Wmaterial (kg)	W <sub>0</sub> -Wactual	$[(W_0 - W_{actual}) / W_0] * 0.5 * \text{kg} / (\text{m}^2 * \text{hora})$	$[(W_0 - W_{actual}) / W_0] * 0.1 * \text{kg} / (\text{m}^2 * \text{hora})$	HR%	Wmaterial (kg)	Wmaterial-Wactual	$[(W_0 - W_{actual}) / W_0] * 0.1 * \text{kg} / (\text{m}^2 * \text{hora})$	HR% consigna	HR% cámara	Temperatura cámara (°C)	Succión (Mpa)
0	88,767	0	0	30	63,908	21,608	60,76421085	7857	0	0	0	58	87,652	0	0	20	47,57	21,885	101,2467498
1	88,713	0,054	0,106215148	30	30,642	21,885	161,1839687	7841	16	1,777777778	0,355555556	57	87,503	0,149	0,300203076	20	26,711	23,175	180,6803413
2	88,745	0,022	0,043272838	30	30,617	21,777	161,2361525	7832	25	2,777777778	0,555555556	55	87,519	0,133	0,267966504	20	26,711	23,174	180,6797316
3	88,64	0,127	0,249802291	30	31,641	21,612	156,6669277	7830	27	3	0,6	60	87,571	0,081	0,163197645	20	26,612	22,776	180,9445979
4	88,637	0,13	0,255703133	30	31,205	21,478	158,4839469	7821	36	4	0,8	58	87,362	0,29	0,584287866	20	25,923	22,69	184,4764405
5	88,642	0,125	0,245868397	30	30,663	21,401	160,8263415	7820	37	4,111111111	0,822222222	66	87,344	0,308	0,620554009	20	25,812	22,585	184,9971167
6	88,529	0,238	0,468133428	30	30,407	21,187	161,849292	7817	40	4,444444444	0,888888889	70	87,302	0,35	0,70517501	20	25,406	22,376	187,0304687
7	88,639	0,128	0,251769239	30	29,883	20,876	164,0390311	7817	40	4,444444444	0,888888889	80	87,303	0,322	0,648761009	20	24,604	22,094	191,2262458
8	88,55	0,217	0,426827537	30	29,90	20,698	163,8625336	7810	47	5,222222222	1,044444444	85	87,259	0,303	0,791810797	20	24,022	21,885	194,3531213
9	88,491	0,276	0,542877421	30	30,665	20,684	160,4260039	7806	51	5,666666667	1,133333333	88	87,066	0,586	1,180664446	20	23,291	21,586	198,3631527
10	88,491	0,276	0,542877421	30	27,929	20,699	173,1186134	7802	55	6,111111111	1,222222222	88	87,035	0,617	1,243122804	20	22,803	21,772	201,3728064
11	88,489	0,278	0,546811315	30	31,69	20,596	155,9169688	7799	55	6,555555556	1,311111111	88	86,897	0,755	1,521163236	20	22,306	21,885	204,4529385
12	88,486	0,281	0,552712157	30	28,736	20,695	169,2501503	7796	61	6,777777778	1,355555556	88	87,039	0,613	1,235063661	20	41,405	20,381	119,5490389
13	88,407	0,36	0,708100983	30	29,441	20,878	166,0638932	7788	66	7,666666667	1,533333333	88	87,122	0,53	1,067836444	20	46,484	20,381	103,8616983
14	88,349	0,377	0,741539085	30	28,43	20,972	170,8640943	7784	3	8,111111111	1,622222222	88	87,148	0,504	1,015452015	20	47,176	20,381	101,8582353
15	88,339	0,428	0,841853391	30	32,081	21,091	154,5131156	7770	8	8,888888889	1,777777778	88	87,073	0,579	1,166560946	20	49,999	20,488	94,0129682
16	88,297	0,47	0,924465173	30	33,154	21,087	150,0398262	7776	1	9	1,8	68	87,148	0,504	1,015452015	20	48,887	20,684	97,12823603
17	88,297	0,47	0,924465173	30	32,509	21,08	152,7062331	7772	5	9,444444444	1,888888889	88	87,069	0,583	1,174620089	20	49,805	20,972	94,696069
18	88,227	0,54	1,062151475	30	32,09	20,972	154,4125194	7768	9	9,888888889	1,977777778	88	87,034	0,618	1,24513759	20	52,245	21,186	88,26261661
19	88,25	0,517	1,01691169	30	30,909	20,972	159,5065569	7766	1	10,111111111	2,022222222	88	87,035	0,617	1,243122804	20	53,711	21,392	84,55951218
20	88,164	0,603	1,186069147	30	31,104	20,972	158,6521824	7761	6	10,666666667	2,133333333	78	87,018	0,634	1,277374161	20	52,758	21,458	87,16422913

21	88,081	0,686	1,349325763	30	31,202	20,884	158,1774844	7760	97	10,77777778	2,155555556	71	87,027	0,625	1,25924109	20	65,719	21,61	57,15180987
22	88,042	0,725	1,426036703	30	31,104	20,879	158,6020173	7751	106	11,77777778	2,355555556	60	87,034	0,618	1,24513759	20	66,40	21,603	55,74695582
23	88,032	0,735	1,445706175	30	31,498	20,783	156,841283	7745	112	12,44444444	2,488888889	48	87,037	0,615	1,239093232	20	66,607	21,607	55,32394466
24	88,03	0,737	1,449640069	30	30,3	20,761	162,0935958	7738	119	13,22222222	2,644444444	56	87,034	0,618	1,24513759	20	66,992	21,60	54,53797345
25	88,029	0,738	1,451607016	30	31,496	20,878	156,9005981	7735	122	13,55555556	2,711111111	55	87,037	0,615	1,239093232	20	65,43	21,393	57,7093188
26	87,974	0,793	1,559789111	30	31,899	20,762	155,1126979	7729	128	14,22222222	2,844444444	49	87,028	0,624	1,257226304	20	64,11	21,187	60,43970819
27	87,988	0,779	1,53225185	30	33,496	20,686	148,4425015	7728	129	14,33333333	2,866666667	49	86,966	0,686	1,38214302	20	64,796	21,083	58,9718675
28	87,935	0,832	1,636500051	30	31,202	20,596	158,022553	7729	128	14,22222222	2,844444444	54	86,904	0,748	1,507059736	20	64,696	21,084	59,18197038
29	87,839	0,928	1,82532698	30	30,414	20,596	161,4930835	7727	130	14,44444444	2,888888889	59	86,886	0,766	1,54332588	20	65,486	21,08	57,53172802
30	87,8	0,967	1,902037919	30	32,376	20,596	153,0112568	7731	126	14	2,8	61	86,886	0,766	1,54332588	20	66,505	20,973	55,41314648
31	87,718	1,049	2,063327588	30	31,884	20,488	155,0318858	7726	131	14,55555556	2,911111111	60	86,886	0,766	1,54332588	20	67,319	20,871	53,74180945
32	87,712	1,055	2,075129271	30	31,591	20,48	156,2797532	7720	137	15,22222222	3,044444444	86	86,88	0,772	1,555414594	20	66,699	20,876	54,99928819
33	87,692	1,075	2,114468215	30	32,275	20,482	153,375632	7722	135	15	3	91	86,833	0,819	1,650109524	20	67,907	20,764	52,54163852
34	87,693	1,074	2,112501267	30	30,875	20,678	159,4964866	7742	115	12,77777778	2,555555556	92	86,761	0,891	1,795174098	20	68,686	20,757	50,99195864
35	87,573	1,194	2,348534929	30	32,608	20,764	152,1294384	7746	111	12,33333333	2,466666667	91	86,841	0,811	1,633991238	20	68,408	20,758	51,54269366
36	87,542	1,225	2,409510291	30	30,517	21,08	161,2997063	7744	113	12,55555556	2,511111111	91	86,872	0,78	1,57153288	20	68,396	20,878	51,5875634
37	87,509	1,258	2,474419548	30	31,689	21,284	156,2864428	7739	118	13,11111111	2,622222222	88	86,864	0,788	1,587651166	20	66,895	20,972	54,61862063
38	87,422	1,345	2,645543952	30	31,705	21,612	156,3918217	7740	117	13	2,6	91	86,791	0,861	1,734730525	20	67,725	20,972	52,9434115
39	87,415	1,352	2,659312582	30	31,433	21,678	157,6001608	7741	116	12,88888889	2,577777778	91	86,827	0,825	1,662198238	20	65,894	21,187	56,70825698
40	87,376	1,391	2,736023522	30	31,007	21,676	159,4572672	7740	117	13	2,6	91	88,135	0,483	0,973141514	20	69,447	21,767	49,66626576
41	87,361	1,406	2,76552773	30	30,615	21,776	161,2445046	7740	117	13	2,6	88	88,265	0,613	1,235063661	20	65,021	21,849	58,65307025
42	87,276	1,491	2,93271824	30	31,985	21,777	155,2816008	7735	122	13,55555556	2,711111111	91	88,267	0,615	1,239093232	20	67,089	21,955	54,40644061
43	87,175	1,592	3,131379905	30	32,675	21,777	152,374153	7735	122	13,55555556	2,711111111	93	88,267	0,615	1,239093232	20	68,077	22,051	52,43079408
44	87,111	1,656	3,257264524	30	32,594	21,777	152,7122648	7737	120	13,33333333	2,666666667	92	88,138	0,486	0,979185871	20	23,253	23,494	199,8710038
45	87,167	1,6	3,147115482	30	31,012	21,885	159,5483325	7737	120	13,33333333	2,666666667	91	87,96	0,308	0,620554009	20	21,934	23,587	207,9374217
46	87,131	1,636	3,21792558	30	31,496	21,777	157,3803267	7735	122	13,55555556	2,711111111	92	87,949	0,297	0,598391366	20	21,532	23,494	210,4067496
47	87,116	1,651	3,247429788	30	31,588	21,777	156,9829971	7735	122	13,55555556	2,711111111	90	87,768	0,116	0,233715146	20	20,638	23,362	216,1208848

48	86,979	1,788	3,516901551	30	31,689	21,677	156,4950483	7735	122	13,55555556	2,711111111	91	87,642	0,01	0,020147857	20	21,129	23,066	212,6881877
49	86,962	1,805	3,550339653	30	29,996	21,603	163,9307865	7735	122	13,55555556	2,711111111	88	87,662	0,01	0,020147857	20	21,127	22,973	212,6343594
50	86,865	1,902	3,741133529	30	33,079	21,464	150,5402517	7730	127	14,11111111	2,822222222	87	87,504	0,148	0,29818829	20	21,126	22,77	212,4950628
51	86,961	1,806	3,5523066	30	31,203	21,401	158,4512477	7721	136	15,11111111	3,022222222	88	87,506	0,146	0,294158719	20	21,73	22,571	208,501783
52	86,854	1,913	3,762769948	30	31,191	21,284	158,4406196	7722	135	15	3	92	87,452	0,2	0,402957149	20	21,843	21,846	207,2838956
53	86,75	2,017	3,967332455	30	31,319	21,187	157,8316551	7725	132	14,66666667	2,933333333	93	87,367	0,285	0,574213937	20	20,825	21,246	213,352036
54	86,8	1,967	3,868985096	30	31,794	21,187	155,7852324	7742	115	12,77777778	2,555555556	94	87,298	0,354	0,713234153	20	25,274	20,83	186,7593793
55	86,798	1,969	3,87291899	30	31,202	21,08	158,2829239	7740	117	13	2,6	93	87,199	0,453	0,912697942	20	20,627	20,542	214,1377727
56	86,777	1,99	3,914224881	30	30,616	20,972	160,8004974	7736	121	13,44444444	2,688888889	93	87,237	0,415	0,836136084	20	21,044	20,028	211,0527147
57	86,648	2,119	4,167961067	30	30,417	20,972	161,6863979	7735	122	13,55555556	2,711111111	91	87,186	0,466	0,938890157	20	30,566	19,736	160,3458715
58	86,636	2,131	4,191564433	30	30,909	21,081	159,5656692	7733	124	13,77777778	2,755555556	90	87,192	0,46	0,926801442	20	19,824	19,521	218,761066
59	86,541	2,226	4,378424414	30	32,083	21,187	154,5550524	7733	124	13,77777778	2,755555556	91	87,114	0,538	1,08395473	20	48,739	18,824	96,92229577
60	86,511	2,256	4,43743283	30	31,313	21,6	158,0792013	7732	125	13,88888889	2,777777778	92	87,118	0,534	1,075895587	20	49,854	18,825	93,87220183
61	86,564	2,203	4,333184629	30	34,42	21,676	145,2370258	7732	125	13,88888889	2,777777778	89	87,041	0,611	1,231034089	20	21,24	20,019	209,7908746
62	86,525	2,242	4,409895569	30	31,982	22,099	155,463928	7730	127	14,11111111	2,822222222	85	87,075	0,577	1,162531374	20	29,638	20,241	164,800371
63	86,365	2,402	4,724607118	30	31,792	22,261	156,3622572	7729	128	14,22222222	2,844444444	86	87,02	0,632	1,27334459	20	21,631	20,649	207,7663143
64	86,348	2,419	4,75804522	30	30,236	22,584	163,387816	7727	130	14,44444444	2,888888889	86	87,03	0,622	1,253196733	20	26,812	21,035	178,8626786
65	86,338	2,429	4,777714691	30	31,876	22,583	156,1722593	7725	132	14,66666667	2,933333333	85	86,909	0,743	1,496985808	20	24,96	21,18	188,6812991
66	86,312	2,455	4,828855318	30	32,378	22,779	154,1399303	7725	132	14,66666667	2,933333333	82	86,89	0,762	1,535266737	20	23,395	21,245	197,5278305
67	86,183	2,584	5,082591504	30	34,57	22,893	145,2419393	7725	132	14,66666667	2,933333333	79	86,853	0,799	1,609813809	20	20,011	21,764	219,1587094
68	86,057	2,71	5,330426848	30	30,708	22,966	161,4802635	7723	134	14,88888889	2,977777778	75	86,741	0,911	1,835469812	20	21,123	21,67	211,7245105
69	86,036	2,731	5,371732739	30	33,785	23,105	148,4890015	7722	135	15	3	73	86,682	0,97	1,954342171	20	22,964	21,67	200,3450854
70	86,035	2,732	5,373699686	30	32,188	23,083	155,1035635	7722	135	15	3	71	86,746	0,906	1,825395884	20	51,514	20,443	89,95059874
71	86,027	2,74	5,389435263	30	33,362	23,091	150,2059642	7720	137	15,22222222	3,044444444	71	86,749	0,903	1,819351526	20	50,049	20,165	93,77414056
72	85,899	2,868	5,641204502	30	32,778	22,97	152,5600465	7706	151	16,77777778	3,355555556	68	86,839	0,813	1,63802081	20	47,413	20,239	101,1298814
73	85,878	2,889	5,682510392	30	33,301	22,899	150,3588638	7704	153	17	3,4	66	86,861	0,791	1,593695523	20	51,992	20,238	88,636163
74	85,863	2,904	5,7120146	30	33,006	22,895	151,5735526	7702	155	17,22222222	3,444444444	66	86,864	0,788	1,587651166	20	53,124	20,161	85,69486699



101	84,028	4,739	9,321362669	30	33,195	22,779	150,7336961	7673	184	20,4444444	4,088888889	72	86,145	1,507	3,036282116	30	28,715	20,649	169,3228613
102	83,894	4,873	9,58493359	30	34,229	22,762	146,5325651	7674	183	20,33333333	4,066666667	76	86,095	1,557	3,137021403	30	36,572	20,654	136,5037333
103	83,895	4,872	9,582966643	30	31,592	22,69	157,4516641	7672	185	20,55555556	4,111111111	79	86,042	1,61	3,243805047	30	40,87	20,542	121,3788263
104	83,898	4,869	9,577065801	30	30,908	22,69	160,4426738	7673	184	20,4444444	4,088888889	79	85,994	1,658	3,340514763	30	30,861	20,438	159,4277121
105	83,86	4,907	9,651809794	30	31,882	22,69	156,2030462	7673	184	20,4444444	4,088888889	81	85,991	1,661	3,34655912	30	33,458	20,444	148,4741755
106	83,794	4,973	9,781628308	30	34,387	22,69	145,8676127	7672	185	20,55555556	4,111111111	83	85,985	1,667	3,358647835	30	41,74	20,542	118,5214837
107	83,707	5,06	9,952752712	30	31,104	22,584	159,5217104	7676	181	20,11111111	4,022222222	80	85,969	1,683	3,390884407	30	38,408	20,542	129,807023
108	83,715	5,052	9,937017135	30	31,461	22,69	158,0194578	7676	181	20,11111111	4,022222222	77	85,93	1,722	3,469461051	30	36,816	20,757	135,6488872
109	83,646	5,121	10,07273649	30	31,3	23,084	158,9319119	7675	182	20,22222222	4,044444444	81	85,99	1,662	3,348573906	30	31,455	20,864	157,0700229
110	83,586	5,181	10,19075332	30	33,886	23,174	148,115028	7673	184	20,4444444	4,088888889	82	85,926	1,726	3,477520193	30	31,448	21,175	157,266424
111	83,58	5,187	10,202555	30	33,071	23,483	151,6050489	7673	184	20,4444444	4,088888889	83	85,885	1,767	3,560126409	30	33,105	21,456	150,4292512
112	83,566	5,201	10,23009226	30	32,186	23,475	155,3173226	7671	186	20,66666667	4,133333333	84	85,951	1,701	3,42715055	30	55,636	21,183	79,712381
113	83,518	5,249	10,32450573	30	30,225	23,477	163,9310362	7671	186	20,66666667	4,133333333	80	86,067	1,585	3,193435404	30	61,058	21,17	67,06699698
114	83,397	5,37	10,56250634	30	32,959	23,484	152,0703594	7670	187	20,77777778	4,155555556	83	85,951	1,701	3,42715055	30	35,9	22,169	139,7373226
115	83,274	5,493	10,80444084	30	32,776	23,689	152,938839	7668	189	21	4,2	84	85,796	1,856	3,73944234	30	33,461	22,179	149,3393562
116	83,233	5,534	10,88508567	30	34,303	23,687	146,6945253	7670	187	20,77777778	4,155555556	83	85,688	1,964	3,9570392	30	34,779	22,367	144,1611479
117	83,271	5,496	10,81034168	30	34,043	23,768	147,7779922	7670	187	20,77777778	4,155555556	80	85,691	1,961	3,950994843	30	30,235	22,368	163,2729942
118	83,164	5,603	11,02080503	30	33,373	23,679	150,4589063	7668	189	21	4,2	71	85,726	1,926	3,880477342	30	37,011	22,365	135,6699849
119	83,12	5,647	11,1073507	30	33,381	23,564	150,3677655	7658	199	22,11111111	4,422222222	60	85,649	2,003	4,035615844	30	38,53	22,263	130,1349473
120	83,097	5,67	11,15259049	30	31,36	23,558	158,9237599	7658	199	22,11111111	4,422222222	54	85,602	2,05	4,130310774	30	32,862	22,172	151,7997999
121	82,978	5,789	11,3866572	30	34,5	23,093	145,617409	7648	209	23,22222222	4,644444444	48	85,599	2,053	4,136355132	30	30,761	21,972	160,7031423
122	82,94	5,827	11,4614012	30	33,41	22,891	149,9079641	7646	211	23,4444444	4,688888889	47	85,504	2,148	4,327759777	30	42,282	21,777	117,2623807
123	82,824	5,943	11,68956707	30	29,542	22,769	166,6638136	7645	212	23,55555556	4,711111111	53	85,495	2,157	4,345892849	30	35,791	21,562	139,8640364
124	82,863	5,904	11,61285613	30	29,109	22,583	168,5759723	7646	211	23,4444444	4,688888889	58	85,495	2,157	4,345892849	30	34,971	21,561	143,0185451
125	82,736	6,031	11,86265842	30	30,292	22,476	163,0754847	7645	212	23,55555556	4,711111111	67	85,493	2,159	4,34992242	30	36,084	21,455	138,7038268
126	82,746	6,021	11,84298895	30	31,543	22,476	157,5497205	7647	210	23,33333333	4,666666667	62	85,474	2,178	4,38820335	30	32,444	21,348	153,1175736
127	82,698	6,069	11,93740241	30	34,546	22,476	145,1321839	7651	220	22,88888889	4,577777778	67	85,394	2,258	4,549386209	30	30,357	21,245	162,1049651



154	80,886	7,881	15,5015107	30	33,2	23,095	150,8740443	7622	235	26,11111111	5,22222222	35	84,657	2,995	6,034283302	35	34,082	20,328	145,9106788
155	80,872	7,895	15,52904796	30	34,093	23,089	147,2392313	7619	238	26,44444444	5,288888889	37	84,633	3,019	6,08263816	35	34,248	20,327	145,2515553
156	80,867	7,9	15,53888269	30	34,279	23,175	146,5372926	7618	239	26,55555556	5,311111111	40	84,601	3,051	6,147111304	35	35,596	20,446	140,0752633
157	80,851	7,916	15,57035385	30	34,297	23,175	146,4654411	7618	239	26,55555556	5,311111111	38	84,591	3,061	6,167259161	35	37,012	20,443	134,783937
158	80,813	7,954	15,64509784	30	34,809	23,281	144,4889684	7617	240	26,66666667	5,333333333	41	84,638	3,014	6,072564231	35	51,079	20,447	91,10181211
159	80,709	8,058	15,84966035	30	35,369	23,277	142,3018673	7617	240	26,66666667	5,333333333	42	84,581	3,071	6,187407019	35	42,159	20,542	117,1665424
160	80,649	8,118	15,96767718	30	35,782	23,28	140,7137963	7612	245	27,22222222	5,444444444	47	84,567	3,085	6,215614019	35	45,677	20,65	106,3334837
161	80,587	8,18	16,0896279	30	35,789	23,279	140,6865392	7617	240	26,66666667	5,333333333	47	84,543	3,109	6,263968877	35	48,828	20,649	97,28054008
162	80,557	8,21	16,14863632	30	35,3	23,274	142,56779	7614	243	27	5,4	54	84,439	3,213	6,473506594	45	49,777	20,756	94,70286541
163	80,555	8,212	16,15257021	30	35,201	23,278	142,9542409	7613	244	27,11111111	5,422222222	47	84,418	3,234	6,515817095	45	43,798	20,757	112,0747238
164	80,547	8,22	16,16830579	30	35,203	23,281	142,9479087	7613	244	27,11111111	5,422222222	44	84,418	3,234	6,515817095	45	40,544	20,757	122,5548549
165	80,463	8,304	16,33352935	30	35,073	23,174	143,4026838	7615	242	26,88888889	5,377777778	47	84,413	3,239	6,525891024	45	45,261	20,757	107,6142291
166	80,408	8,359	16,44171145	30	34,967	23,174	143,8169642	7603	254	28,22222222	5,644444444	35	84,414	3,238	6,523876238	45	44,47	20,756	110,0072955
167	80,36	8,407	16,53612491	30	35,889	23,175	140,2552799	7597	260	28,88888889	5,777777778	28	84,411	3,241	6,529920595	45	58,054	20,757	73,8216779
168	80,253	8,514	16,74658826	30	35,596	23,085	141,3343357	7593	264	29,33333333	5,866666667	25	84,402	3,25	6,548053667	45	45,022	20,649	108,2931584
169	80,191	8,576	16,86853898	30	35,202	23,091	142,860172	7589	268	29,77777778	5,955555556	30	84,375	3,277	6,602452882	45	42,871	20,65	114,9369537
170	80,131	8,636	16,98655581	30	35,693	23,09	140,9643632	7587	270	30	6	28	84,32	3,332	6,713266098	45	48,824	20,653	97,29298192
171	80,105	8,662	17,03769644	30	34,672	23,088	144,934484	7587	270	30	6	29	84,28	3,372	6,793857527	45	50,266	20,649	93,3417718
172	80,071	8,696	17,10457265	30	33,781	22,964	148,4345236	7587	270	30	6	32	84,263	3,389	6,828108885	45	47,459	20,65	101,1399563
173	79,954	8,813	17,33470546	30	32,285	22,896	154,5941992	7585	272	30,22222222	6,044444444	39	84,26	3,392	6,834153242	45	52,197	20,65	88,2266203
174	79,943	8,824	17,35634188	30	31,203	22,863	159,2377184	7586	271	30,11111111	6,022222222	42	84,248	3,404	6,858330671	45	44,278	20,541	110,5137728
175	79,941	8,826	17,36027578	30	30,616	22,758	161,7769279	7592	265	29,44444444	5,888888889	46	84,224	3,428	6,906685529	45	44,058	20,542	111,1898359
176	79,932	8,835	17,3779783	30	30,909	22,583	160,3802252	7590	267	29,66666667	5,933333333	51	84,225	3,427	6,904670743	45	45,313	20,543	107,3801111
177	79,843	8,924	17,5530366	30	30,811	22,476	160,755819	7589	268	29,77777778	5,955555556	46	84,183	3,469	6,989291745	45	43,263	20,542	113,6599673
178	79,708	9,059	17,81857447	30	30,692	22,261	161,16692	7587	270	30	6	61	84,135	3,517	7,08600146	45	50,049	20,649	93,92887756
179	79,692	9,075	17,85004563	30	33,008	22,1	151,1582533	7587	270	30	6	61	84,156	3,496	7,04369096	45	49,91	20,65	94,30660646
18	79,685	9,082	17,86381426	30	29,998	22,169	164,2364803	7586	27	30,11111111	6,022222222	57	84,155	3,497	7,045705745	45	48,417	20,757	98,46380519

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1 8 1	79,7 25	9,04 2	17,7851 3637	3 0	31,9 32	22,1 75	155,717 3693	75 87	2 7 0	30	6	4 7	84,1	3,5 52	7,15651 8961	4 0	42,4 94	21,0 31	116,286 1842	
1 8 2	79,6 07	9,16	18,0172 3614	3 0	30,1 19	22,2 61	163,738 3784	75 83	2 7 4	30,4444 4444	6,08888 8889	2 5	84,1 08	3,5 44	7,14040 0675	4 0	44,0 05	21,2 42	111,618 5238	
1 8 3	79,6 01	9,16 6	18,0290 3782	3 0	30,1 17	22,3 69	163,807 304	75 84	2 7 3	30,3333 3333	6,06666 6667	1 8	84,1	3,5 52	7,15651 8961	4 0	43,2 02	21,4 56	114,205 6878	
1 8 4	79,6 01	9,16 6	18,0290 3782	3 0	30,9 09	22,3 76	160,267 9662	75 81	2 7 6	30,6666 6667	6,13333 3333	1 9	84,1	3,5 52	7,15651 8961	4 0	46,1 61	21,6 7	105,267 3181	
1 8 5	79,5 29	9,23 8	18,1706 5801	3 0	30,5 17	22,3 71	162,007 4449	75 76	2 8 1	31,2222 2222	6,24444 4444	2 1	84,0 74	3,5 78	7,20890 3391	4 0	43,0 88	21,6 7	114,648 4527	
1 8 6	79,4 53	9,31 4	18,3201 46	3 0	31,7 88	22,2 61	156,379 4258	75 72	2 8 5	31,6666 6667	6,33333 3333	2 1	84,0 18	3,6 34	7,32173 1392	4 0	46,4 49	21,7 76	104,457 9063	
1 8 7	79,3 71	9,39 6	18,4814 3567	3 0	30,2 89	22,3 7	163,030 531	75 73	2 8 4	31,5555 5556	6,31111 1111	2 9	84,1 11	3,5 41	7,13435 6318	4 0	55,8 47	21,7 71	79,3559 8428	
1 8 8	79,3 29	9,43 8	18,5640 4745	3 0	31,5 56	22,1 79	157,335 231	75 72	2 8 5	31,6666 6667	6,33333 3333	2 8	84,0 59	3,5 93	7,23912 5177	4 0	59,0 47	21,7 73	71,7665 3394	
1 8 9	79,3 29	9,43 8	18,5640 4745	3 0	31,8 85	22,1	155,878 6955	75 72	2 8 5	31,6666 6667	6,33333 3333	3 4	83,9 83	3,6 69	7,39224 8893	4 0	58,2 51	21,7 73	73,6153 9928	
1 9 0	79,3 28	9,43 9	18,5660 144	3 0	31,4 15	21,9 78	157,838 6091	75 67	2 9 0	32,2222 2222	6,44444 4444	3 6	83,9 69	3,6 83	7,42045 5894	4 0	57,6 27	21,7 75	75,0830 2275	
1 9 1	79,3 29	9,43 8	18,5640 4745	3 0	31,4 15	21,8 85	157,788 8714	75 60	2 9 7	33	6,6	2 9	83,9 6	3,6 92	7,43858 8965	4 0	61,9 86	21,8 39	65,1641 7165	
1 9 2	79,2 97	9,47	18,6269 8976	3 0	31,2 01	21,7 77	158,662 2455	75 55	3 0 2	33,5555 5556	6,71111 1111	2 2	83,9 63	3,6 89	7,43254 4608	4 0	54,5 11	21,8 52	82,6770 3774	
1 9 3	79,3 08	9,45 9	18,6053 5334	3 0	31,8 85	21,6 7	155,651 6748	75 52	3 0 5	33,8888 8889	6,77777 7778	1 9	83,9 49	3,7 03	7,46075 1609	4 0	60,9 87	21,7 75	67,3633 5465	
1 9 4	79,2 06	9,56 1	18,8059 8195	3 0	29,5 92	21,7 77	165,874 7475	75 49	3 0 8	34,2222 2222	6,84444 4444	3 1	83,8 31	3,8 21	7,69849 6326	4 0	59,0 62	21,7 71	71,7314 4683	
1 9 5	79,0 93	9,67 4	19,0282 4698	3 0	30,1 17	21,7 77	163,479 1562	75 46	3 1 1	34,5555 5556	6,91111 1111	4 4	83,8 32	3,8 2	7,69648 1541	4 0	61,5 79	21,7 76	66,0476 4441	
1 9 6	79,0 61	9,70 6	19,0911 8929	3 0	30,7 1	21,7 77	160,822 997	75 46	3 1 1	34,5555 5556	6,91111 1111	4 5	83,8 3	3,8 22	7,70051 1112	4 0	58,2 53	21,6 7	73,5850 1422	
1 9 7	79,0 36	9,73 1	19,1403 6297	3 0	31,0 09	21,8 85	159,561 5157	75 47	3 1 0	34,4444 4444	6,88888 8889	4 3	83,8 34	3,8 18	7,69245 1969	4 0	60,2 53	21,6 7	68,9882 1699	
1 9 8	79,0 2	9,74 7	19,1718 3413	3 0	30,6 15	21,9 79	161,355 4906	75 50	3 0 7	34,1111 1111	6,82222 2222	4 4	83,8 47	3,8 05	7,66625 9754	4 0	57,0 36	21,6 7	76,4600 5024	
1 9 9	79,0 2	9,74 7	19,1718 3413	3 0	30,9 09	22,1	160,118 2874	75 51	3 0 6	34	6,8	4 3	83,7 49	3,9 03	7,86370 8757	4 0	59,8 59	21,6 72	69,8820 7025	
2 0 0	79,0 11	9,75 6	19,1895 3665	3 0	31	22,1 76	159,758 4916	75 52	3 0 5	33,8888 8889	6,77777 7778	4 0	83,6 78	3,9 74	8,00675 8545	4 0	58,9 47	21,5 6	71,9454 3174	
2 0 1	78,9 28	9,83 9	19,3527 9327	3 0	31,2 01	22,2 61	158,922 6236	75 51	3 0 6	34	6,8	4 4	83,7 53	3,8 99	7,85564 9614	4 0	59,8 49	21,5 62	69,8787 395	
2 0 2	78,7 74	9,99 3	19,6557 0313	3 0	31,4 95	22,2 63	157,644 0006	75 48	3 0 9	34,3333 3333	6,86666 6667	5 1	83,8 11	3,8 41	7,73879 2041	4 0	59,8 59	21,4 57	69,8311 085	
2 0 3	78,7 13	10,0 54	19,7756 8691	3 0	31,5 9	22,4 76	157,346 4138	75 46	3 1 1	34,5555 5556	6,91111 1111	5 7	83,8 07	3,8 45	7,74685 1184	4 0	55,9 2	21,4 55	79,0932 0345	
2 0 4	78,7 09	10,0 58	19,7835 547	3 0	31,9 82	22,5 87	155,720 8853	75 46	3 1 1	34,5555 5556	6,91111 1111	5 3	83,7 9	3,8 62	7,78110 2542	4 0	58,9 55	21,4 55	71,9013 3269	
2 0 5	78,7 09	10,0 58	19,7835 547	3 0	31,6 89	22,7 68	157,074 1544	75 46	3 1 1	34,5555 5556	6,91111 1111	4 9	83,6 71	3,9 81	8,02086 2045	4 0	59,1 46	21,5 62	71,4871 5035	
2 0 6	78,7 08	10,0 59	19,7855 2165	3 0	31,1 02	22,7 61	159,625 9746	75 48	3 0 9	34,3333 3333	6,86666 6667	4 6	83,6 58	3,9 94	8,04705 426	4 0	58,8 79	21,4 55	72,0768 6241	

207	78,675	10,092	19,8504309	30	31,017	22,97	160,1130261	7548	309	34,33333333	6,866666667	49	83,702	3,95	7,958403687	40	57,437	21,561	75,47809229
208	78,511	10,256	20,17301024	30	31,104	23,174	159,8399619	7547	310	34,44444444	6,888888889	48	83,646	4,006	8,071231689	40	61,281	21,777	66,70869668
209	78,411	10,356	20,36970496	30	31,007	23,174	160,2674637	7541	316	35,11111111	7,022222222	52	83,657	3,995	8,049069046	40	59,961	21,842	69,69038657
210	78,407	10,36	20,37757275	30	31,417	23,268	158,5198032	7542	315	35	7	56	83,686	3,966	7,990640259	40	59,277	22,046	71,30289537
211	78,401	10,366	20,38937443	30	32,08	23,264	155,6584786	7545	312	34,66666667	6,933333333	57	83,617	4,035	8,129660476	40	59,959	22,162	69,77053471
212	78,362	10,405	20,46608537	30	31,104	23,279	159,8965999	7544	313	34,77777778	6,955555556	58	83,653	3,999	8,057128189	40	60,008	22,261	69,68246207
213	78,269	10,498	20,64901146	30	32,768	23,277	152,7599891	7542	315	35	7	54	83,649	4,003	8,065187332	60	61,384	22,261	66,58902602
214	78,222	10,545	20,74145797	30	31,201	23,28	159,4708163	7536	321	35,66666667	7,133333333	52	83,619	4,033	8,125630904	60	56,147	22,261	78,75682393
215	78,157	10,61	20,86930954	30	30,616	23,177	162,0060009	7536	321	35,66666667	7,133333333	94	83,576	4,076	8,212266691	60	56,251	22,364	78,53169131
216	78,1	10,667	20,98142553	30	30,224	23,098	163,7261089	7531	326	36,22222222	7,244444444	47	83,583	4,069	8,198163191	60	58,154	22,367	73,9911506
217	78,088	10,679	21,0050289	30	32,083	23,097	155,5579849	7530	327	36,33333333	7,266666667	45	83,557	4,095	8,25054762	60	59,034	22,261	71,91532779
218	78,039	10,728	21,10140931	30	31,591	23,103	157,6758019	7530	327	36,33333333	7,266666667	41	83,556	4,096	8,252562406	60	57,627	22,261	75,2067503
219	77,968	10,799	21,24106256	30	31,789	22,96	156,7451475	7528	329	36,55555556	7,311111111	50	83,514	4,138	8,337183407	60	57,392	22,261	75,76431215
220	77,915	10,852	21,34531076	30	32,084	22,969	155,4865096	7523	334	37,11111111	7,422222222	61	83,533	4,119	8,298902478	60	58,662	22,178	72,75741506
221	77,829	10,938	21,51446821	30	31,641	22,964	157,3855199	7523	334	37,11111111	7,422222222	63	83,472	4,18	8,421804408	60	55,433	22,051	80,44586863
222	77,802	10,965	21,56757579	30	32,386	22,889	154,1634448	7528	329	36,55555556	7,311111111	66	83,408	4,244	8,550750696	60	56,25	22,048	78,4501395
223	77,794	10,973	21,58331137	30	32,896	22,895	152,0300304	7528	329	36,55555556	7,311111111	64	83,393	4,259	8,580972482	60	56,146	21,977	78,68353715
224	77,762	11,005	21,64625368	30	32,184	22,899	155,0242175	7528	329	36,55555556	7,311111111	61	83,495	4,157	8,375464336	60	57,921	21,954	74,43496227
225	77,708	11,059	21,75246882	30	32,672	22,971	153,0035919	7526	331	36,77777778	7,355555556	57	83,479	4,173	8,407700908	60	58,955	21,967	72,02629148
226	77,635	11,132	21,89605597	30	31,314	22,96	158,8042236	7526	331	36,77777778	7,355555556	61	83,438	4,214	8,490307124	60	58,352	21,954	73,42444675
227	77,629	11,138	21,90785765	30	31,494	22,966	158,0234918	7526	331	36,77777778	7,355555556	62	83,473	4,179	8,419789623	60	62,962	21,974	63,06437726
228	77,624	11,143	21,91769239	30	31,495	23,08	158,079984	7524	333	37	7,4	66	83,381	4,271	8,605149911	60	53,516	22,049	85,24405103
229	77,614	11,153	21,93736186	30	31,789	23,174	156,8584279	7524	333	37	7,4	66	83,362	4,29	8,64343084	60	54,811	22,047	81,98335645
230	77,56	11,207	22,043577	30	32,584	23,277	153,5309731	7524	333	37	7,4	65	83,352	4,3	8,663578698	60	55,924	22,173	79,27620946
231	77,476	11,291	22,20880057	30	31,981	23,277	156,0884873	7523	334	37,11111111	7,422222222	68	83,347	4,305	8,673652626	60	55,732	22,366	79,79744523
232	77,355	11,412	22,44680118	30	32,082	23,388	155,7150569	7524	333	37	7,4	69	83,346	4,306	8,675667412	60	61,28	22,476	66,86902972
233	77,292	11,475	22,57071885	30	31,583	23,475	157,9084926	7522	333	37,22222222	7,444444444	71	83,336	4,316	8,695815269	60	58,649	22,574	72,88524739

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2 3 4	77,2 62	11,5 05	22,6297 2726	3 0	31,8 99	23,4 86	156,550 2949	75 24	3 3 3	37	7,4	7 3	83,2 17	4,4 35	8,93557 4773	6 0	61,3 75	22,7 74	66,7247 0391
2 3 5	77,2 04	11,5 63	22,7438 102	3 0	32,3 76	23,4 84	154,515 6058	75 26	3 3 1	36,7777 7778	7,35555 5556	7 3	83,2 45	4,4 07	8,87916 0772	6 0	59,2 53	22,7 8	71,5355 4163
2 3 6	77,1 25	11,6 42	22,8991 9903	3 0	31,5 84	23,4 76	157,904 687	75 28	3 2 9	36,5555 5556	7,31111 1111	7 0	83,2 69	4,3 83	8,83080 5914	6 0	58,6 44	22,7 82	72,9481 6538
2 3 7	77,0 39	11,7 28	23,0683 5648	3 0	31,0 13	23,4 83	160,408 0772	75 22	3 3 5	37,2222 2222	7,44444 4444	6 4	83,3 23	4,3 29	8,72200 7484	6 0	59,1 43	22,7 84	71,7904 9946
2 3 8	77,0 15	11,7 52	23,1155 6322	3 0	30,3 03	23,4 72	163,575 1635	75 17	3 4 0	37,7777 7778	7,55555 5556	6 1	83,2 94	4,3 58	8,78043 6271	6 0	58,6 52	22,8 53	72,9470 1746
2 3 9	77,0 53	11,7 14	23,0408 1922	3 0	30,9 1	23,1 74	160,696 3049	75 14	3 4 3	38,1111 1111	7,62222 2222	5 8	83,3 24	4,3 28	8,71999 2698	6 0	61,0 57	22,8 53	67,4527 4311
2 4 0	77,0 73	11,6 94	23,0014 8028	3 0	30,5 17	23,0 91	162,402 1558	75 09	3 4 8	38,6666 6667	7,73333 3333	5 5	83,2 99	4,3 53	8,77036 2342	6 0	58,1 53	22,8 53	74,1151 8566
2 4 1	77,0 1	11,7 57	23,1253 9795	3 0	30,6 15	22,8 47	161,830 0511	75 06	3 5 1	39	7,8	6 0	83,2 6	4,3 92	8,84893 8986	6 0	56,9 33	22,7 7	76,9923 8389
2 4 2	76,8 97	11,8 7	23,3476 6298	3 0	31,3 1	22,7 59	158,713 887	75 05	3 5 2	39,1111 1111	7,82222 2222	6 1	83,2 35	4,4 17	8,89930 863	6 0	55,4 32	22,6 9	80,6224 6899
2 4 3	76,9 46	11,8 21	23,2512 8257	3 0	31,4 11	22,6 89	158,236 2617	75 11	3 4 6	38,4444 4444	7,68888 8889	6 2	83,2 27	4,4 25	8,91542 6916	6 0	56,5 17	22,6 88	77,9731 5189
2 4 4	76,8 68	11,8 99	23,4047 0445	3 0	30,5 18	22,5 83	162,119 1893	75 09	3 4 8	38,6666 6667	7,73333 3333	6 6	83,2 01	4,4 51	8,96781 1345	6 0	58,0 32	22,6 9	74,3589 8901
2 4 5	76,8 47	11,9 2	23,4460 1034	3 0	32,6 67	22,3 7	152,713 9502	75 09	3 4 8	38,6666 6667	7,73333 3333	7 5	83,1 9	4,4 62	8,98997 3988	6 0	62,6 08	22,6 89	63,9876 0866
2 4 6	76,8 23	11,9 44	23,4932 1707	3 0	32,2 76	22,3 7	154,357 5801	75 10	3 4 7	38,5555 5556	7,71111 1111	7 5	83,2 22	4,4 3	8,92550 0844	6 0	58,5 45	22,4 76	73,1034 4126
2 4 7	76,7 3	12,0 37	23,6761 4316	3 0	31,0 13	22,2 61	159,747 2651	75 11	3 4 6	38,4444 4444	7,68888 8889	7 7	83,1 7	4,4 82	9,03026 9703	6 0	58,9 48	22,4 76	72,1667 3182
2 4 8	76,7 04	12,0 63	23,7272 8379	3 0	30,2 95	22,1	162,854 5675	75 11	3 4 6	38,4444 4444	7,68888 8889	8 2	83,0 68	4,5 84	9,23577 7849	6 0	63,6 12	22,3 63	61,7456 0264
2 4 9	76,7 06	12,0 61	23,7233 4989	3 0	32,5 18	21,9 62	153,126 2623	75 10	3 4 7	38,5555 5556	7,71111 1111	8 5	83,0 62	4,5 9	9,24786 6563	6 0	58,7 4	22,3 64	72,6218 6857
2 5 0	76,6 91	12,0 76	23,7528 541	3 0	30,7 05	21,9 85	160,958 6153	75 10	3 4 7	38,5555 5556	7,71111 1111	8 5	83,0 61	4,5 91	9,24988 1349	6 0	59,5 65	22,2 61	70,6934 984
2 5 1	76,6 55	12,1 12	23,8236 642	3 0	30,4 69	22,0 99	162,072 9998	75 11	3 4 6	38,4444 4444	7,68888 8889	8 6	83,0 9	4,5 62	9,19145 2562	6 0	59,7 66	22,2 62	70,2340 7546
2 5 2	76,5 4	12,2 27	24,0498 6312	3 0	29,8 12	22,0 97	165,044 6296	75 08	3 4 9	38,7777 7778	7,75555 5556	8 4	83,1 11	4,5 41	9,14914 2062	6 0	59,7 66	22,1 67	70,2114 8925
2 5 3	76,4 78	12,2 89	24,1718 1385	3 0	30,5 17	22,1 83	161,904 3815	75 07	3 5 0	38,8888 8889	7,77777 7778	8 4	83,0 72	4,5 8	9,22771 8706	6 0	58,0 35	22,1 67	74,2204 8237
2 5 4	76,4 72	12,2 95	24,1836 1553	3 0	31,0 15	22,2 61	159,738 4661	75 09	3 4 8	38,6666 6667	7,73333 3333	8 1	82,9 25	4,7 27	9,52389 221	6 0	57,6 1	22,2 61	75,2470 082
2 5 5	76,4 26	12,3 41	24,2740 951	3 0	37,3 05	22,4 76	134,640 5625	75 10	3 4 7	38,5555 5556	7,71111 1111	7 9	82,9	4,7 52	9,57426 1854	6 0	57,0 8	22,5 69	76,5878 7107
2 5 6	76,3 98	12,3 69	24,3291 6962	3 0	29,4 92	22,5 83	166,790 442	75 10	3 4 7	38,5555 5556	7,71111 1111	7 8	82,9 02	4,7 5	9,57023 2282	6 0	59,9 59	22,7 68	69,9137 0852
2 5 7	76,3 98	12,3 69	24,3291 6962	3 0	30,1 24	22,6 9	163,953 4792	75 09	3 4 8	38,6666 6667	7,73333 3333	7 4	82,9 12	4,7 4	9,55008 4425	6 0	55,5 21	22,8 57	80,4486 3855
2 5 8	76,3 96	12,3 71	24,3331 0352	3 0	30	22,7 6	164,556 0425	75 10	3 4 7	38,5555 5556	7,71111 1111	7 1	82,9 66	4,6 86	9,44128 5995	6 0	57,9 64	22,9 75	74,5909 8799
2 5 9	76,3 93	12,3 74	24,3390 0436	3 0	30,8 08	22,8 77	160,987 1891	75 11	3 4 6	38,4444 4444	7,68888 8889	7 2	82,9 02	4,7 5	9,57023 2282	6 0	58,0 32	22,9 71	74,4296 1798

260	76,386	12,381	24,35277299	30	31,201	22,898	159,2653112	7510	347	38,55555556	7,711111111	58	82,894	4,758	9,586350568	60	57,032	22,963	76,80497541
261	76,39	12,377	24,3449052	30	34,277	22,764	146,3420215	7510	347	38,55555556	7,711111111	58	82,899	4,753	9,576276639	60	57,422	23,066	75,89927179
262	76,37	12,397	24,38424414	30	31,315	22,754	158,6893809	7499	358	39,77777778	7,955555556	56	82,894	4,758	9,586350568	60	57,324	23,067	76,133232
263	76,212	12,555	24,6950218	30	31,011	22,761	160,026461	7496	361	40,11111111	8,022222222	52	82,894	4,758	9,586350568	60	53,926	22,983	84,46984288
264	76,19	12,577	24,73829464	30	34,571	22,689	145,137902	7490	367	40,77777778	8,155555556	56	82,894	4,758	9,586350568	60	58,546	22,97	73,22326311
265	76,141	12,626	24,83467505	30	31,103	22,686	159,5811233	7490	367	40,77777778	8,155555556	56	82,894	4,758	9,586350568	60	58,958	22,853	72,23557173
266	76,101	12,666	24,91335294	30	36,333	22,687	138,3441871	7488	369	41	8,2	54	82,896	4,756	9,582320997	60	58,445	22,852	73,43014936
267	76,109	12,658	24,89761736	30	31,13	22,584	159,4075765	7486	371	41,22222222	8,244444444	58	82,894	4,758	9,586350568	60	60,06	22,785	69,68766802
268	76,086	12,681	24,94285714	30	31,199	22,476	159,0470403	7487	370	41,11111111	8,222222222	62	82,894	4,758	9,586350568	60	55,62	22,69	80,15981503
269	76,124	12,643	24,86811315	30	30,71	22,194	161,0503861	7492	365	40,55555556	8,111111111	74	82,882	4,77	9,610527997	60	54,222	22,582	83,60773851
270	76,006	12,761	25,10021292	30	32,69	21,885	152,367407	7492	365	40,55555556	8,111111111	75	82,876	4,776	9,622616712	60	59,368	22,571	71,22017827
271	75,945	12,822	25,22019669	30	27,413	21,675	176,233063	7494	363	40,33333333	8,066666667	78	82,82	4,832	9,735444713	60	56,531	22,476	77,88345554
272	75,955	12,812	25,20052722	30	30,912	21,473	159,7650489	7492	365	40,55555556	8,111111111	84	82,822	4,83	9,731415142	60	60,254	22,367	69,14905043
273	75,883	12,884	25,34214742	30	29,59	21,392	165,6674084	7495	362	40,22222222	8,044444444	85	82,758	4,894	9,860361429	60	58,337	22,261	73,53591069
274	75,857	12,91	25,39328805	30	26,814	21,394	179,0708006	7495	362	40,22222222	8,044444444	88	82,752	4,9	9,872450144	60	59,256	22,174	71,38214632
275	75,827	12,94	25,45229646	30	26,472	21,467	180,861986	7494	363	40,33333333	8,066666667	90	82,743	4,909	9,890583215	60	55,908	22,173	79,31524127
276	75,814	12,953	25,47786677	30	25,912	21,675	183,9013152	7494	363	40,33333333	8,066666667	89	82,745	4,907	9,886553644	60	59,146	22,263	71,65718921
277	75,85	12,917	25,40705668	30	30,908	21,885	160,0060988	7498	359	39,88888889	7,977777778	87	82,743	4,909	9,890583215	60	57,126	22,367	76,42559936
278	75,861	12,906	25,38542026	30	27,009	22,099	178,5112582	7494	363	40,33333333	8,066666667	85	82,753	4,899	9,870435358	60	58,74	22,476	72,64939231
279	75,803	12,964	25,49950319	30	27,1	22,261	178,1502543	7494	363	40,33333333	8,066666667	88	82,738	4,914	9,900657144	60	60,01	22,689	69,77886589
280	75,783	12,984	25,53884214	30	25,805	22,261	184,8314467	7493	364	40,44444444	8,088888889	85	82,737	4,915	9,90267193	60	55,518	22,852	80,45466733
281	75,777	12,99	25,55064382	30	28,321	22,382	172,2075598	7489	368	40,88888889	8,177777778	85	82,743	4,909	9,890583215	60	59,366	22,853	71,29269989
282	75,771	12,996	25,5624455	30	28,871	22,476	169,6359941	7487	370	41,11111111	8,222222222	87	82,737	4,915	9,90267193	60	57,227	22,977	76,34174296
283	75,696	13,071	25,70996654	30	29,826	22,583	165,2521745	7489	368	40,88888889	8,177777778	88	82,836	4,816	9,703208141	60	57,625	22,973	75,39276074
284	75,635	13,132	25,82995032	30	29,008	22,687	169,110195	7491	366	40,66666667	8,133333333	82	82,793	4,859	9,789843928	60	56,526	22,969	78,0254355
285	75,623	13,144	25,85355369	30	30,029	22,585	164,326745	7490	367	40,77777778	8,155555556	88	82,762	4,89	9,852302286	60	57,728	23,066	75,17210417
288	75,63	13,137	25,83978506	30	30,12	22,69	163,9716248	7486	37	41,22222222	8,244444444	66	82,741	4,911	9,894612787	60	61,832	23,066	65,77556068

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287	75,568	13,199	25,96173578	30	30,12	22,686	163,9694077	7484	373	41,44444444	8,288888889	48	82,699	4,953	9,979233788	60	59,444	23,066	71,16435515	
288	75,54	13,227	26,0168103	30	31,425	22,585	158,1197668	7472	385	42,77777778	8,555555556	51	82,71	4,942	9,957071145	60	56,501	23,066	78,11151923	
289	75,483	13,284	26,12892629	30	27,923	22,584	174,2584931	7473	384	42,66666667	8,533333333	61	82,691	4,961	9,995352074	60	56,64	22,976	77,75170922	
290	75,486	13,281	26,12302545	30	30,415	22,583	162,5809877	7477	380	42,22222222	8,444444444	55	82,651	5,001	10,0759435	60	57,735	22,979	75,13344123	
291	75,478	13,289	26,13876103	30	32,125	22,476	155,053264	7480	377	41,88888889	8,377777778	50	82,608	5,044	10,16257929	60	57,439	22,855	75,80473646	
292	75,459	13,308	26,17613302	30	32,275	22,371	154,3623316	7473	384	42,66666667	8,533333333	52	82,561	5,091	10,25727422	60	59,183	22,855	71,7152862	
293	75,456	13,311	26,18203386	30	33,24	22,37	150,3404547	7468	389	43,22222222	8,644444444	62	82,609	5,043	10,16056451	60	57,127	22,86	76,55070399	
294	75,447	13,32	26,19973639	30	28,613	22,37	170,8004342	7471	386	42,88888889	8,577777778	47	82,575	5,077	10,22906722	60	63,817	22,772	61,39128546	
295	75,434	13,333	26,2253067	30	31,309	22,261	158,4511375	7475	382	42,44444444	8,488888889	48	82,504	5,148	10,37211701	60	57,739	22,783	75,07424267	
296	75,433	13,334	26,22727365	30	29,736	22,261	165,4845963	7470	387	43	8,6	51	82,478	5,174	10,42450144	60	56,594	22,776	77,81024998	
297	75,35	13,417	26,39053026	30	29,199	22,262	167,9717721	7472	385	42,77777778	8,555555556	52	82,44	5,212	10,5010633	60	58,453	22,689	73,37101067	
298	75,317	13,45	26,45543952	30	29,12	22,261	168,3408712	7467	390	43,33333333	8,666666667	53	82,438	5,214	10,50509287	60	60,253	22,69	69,22689816	
299	75,298	13,469	26,49281152	30	28,32	22,378	172,2100489	7465	392	43,55555556	8,711111111	56	82,435	5,217	10,51113722	60	57,033	22,58	76,70323889	
300	75,198	13,569	26,68950624	30	27,989	22,586	173,9371857	7467	390	43,33333333	8,666666667	49	82,436	5,216	10,50912244	60	60,588	22,567	68,44080302	
301	75,16	13,607	26,76425023	30	27,41	22,764	176,8989766	7461	396	44	8,8	48	82,428	5,224	10,52524072	60	59,558	22,573	70,78421469	
302	75,165	13,602	26,75441549	30	29,493	22,967	167,0023766	7457	400	44,44444444	8,888888889	49	82,428	5,224	10,52524072	60	58,447	22,579	73,3577512	
303	75,125	13,642	26,83309338	30	29,205	23,151	168,4491394	7448	409	45,44444444	9,088888889	54	82,369	5,283	10,64411308	60	54,508	22,58	82,88858412	
304	75,056	13,711	26,96881273	30	29,008	23,277	169,4474585	7457	400	44,44444444	8,888888889	50	82,373	5,279	10,63605394	60	60,576	22,563	68,46693214	
305	75,047	13,72	26,98651526	30	32,04	23,279	155,837182	7453	404	44,88888889	8,977777778	46	82,427	5,225	10,52725551	60	59,133	22,56	71,7592554	
306	75,016	13,751	27,04749062	30	28,715	23,389	170,9019839	7453	404	44,88888889	8,977777778	42	82,43	5,222	10,52121115	60	58,545	22,57	73,12668591	
307	75,002	13,765	27,07502788	30	29,708	23,492	166,3032605	7441	416	46,22222222	9,244444444	40	82,431	5,221	10,51919637	60	58,447	22,476	73,33220129	
308	75,003	13,764	27,07306093	30	29,492	23,484	167,2985969	7453	404	44,88888889	8,977777778	40	82,431	5,221	10,51919637	60	54,541	22,368	82,74655166	
309	74,97	13,797	27,13797019	30	29,007	23,389	169,5162032	7450	407	45,22222222	9,044444444	43	82,424	5,228	10,53329987	60	57,917	22,365	74,54805664	
310	74,951	13,816	27,17534219	30	29,492	23,389	167,2450179	7446	411	45,66666667	9,133333333	45	82,418	5,234	10,54538858	60	55,519	22,18	80,26955771	
311	74,959	13,808	27,15960661	30	30,225	23,281	163,8227167	7447	410	45,55555556	9,111111111	46	82,316	5,336	10,75089673	60	60,253	21,963	69,05677933	
312	74,852	13,915	27,37006996	30	29,493	23,175	167,1196832	7441	416	46,22222222	9,244444444	45	82,318	5,334	10,74686716	60	58,65	21,777	72,68649311	

313	74,862	13,905	27,35040049	30	31,424	23,174	158,4390412	7438	419	46,55555556	9,311111111	46	82,222	5,43	10,94028659	60	55,623	21,67	79,87609456
314	74,856	13,911	27,36220217	30	30,618	23,105	161,9576989	7434	423	47	9,4	47	82,194	5,458	10,99670059	60	59,253	21,458	71,21597286
315	74,807	13,906	27,45858258	30	31,497	22,906	158,0072623	7433	424	47,11111111	9,422222222	48	82,157	5,495	11,07124766	60	58,961	21,246	71,83648598
316	74,714	14,053	27,64150867	30	29,492	23,101	167,0825888	7429	428	47,55555556	9,511111111	52	82,153	5,499	11,0793068	60	60,466	21,18	68,39381584
317	74,706	14,061	27,65724425	30	33,594	22,972	149,1977791	7432	425	47,22222222	9,444444444	55	82,164	5,488	11,05714416	60	58,153	21,031	73,65898126
318	74,699	14,068	27,67101288	30	29,999	22,903	164,6401232	7433	424	47,11111111	9,422222222	63	82,177	5,475	11,03095195	60	58,948	20,968	71,79860645
319	74,653	14,114	27,76149245	30	32,889	22,904	152,0637534	7433	424	47,11111111	9,422222222	72	82,17	5,482	11,04505545	60	60,88	20,831	67,38618008
320	74,666	14,101	27,73592213	30	31,496	22,772	157,9112833	7432	425	47,22222222	9,444444444	70	82,166	5,486	11,05311459	60	56,713	20,757	76,9942314
321	74,581	14,186	27,90311264	30	30,011	22,609	164,4670213	7432	425	47,22222222	9,444444444	74	82,2	5,452	10,98461187	60	57,227	20,649	75,74158297
322	74,553	14,214	27,95818716	30	29,824	22,583	165,2613343	7431	426	47,33333333	9,466666667	82	82,158	5,494	11,06923288	60	58,545	20,649	72,65165425
323	74,553	14,214	27,95818716	30	37,347	22,583	134,5355943	7433	424	47,11111111	9,422222222	89	82,15	5,502	11,08535116	60	60,107	20,65	69,07875884
324	74,541	14,226	27,98179053	30	30,289	22,767	163,2495453	7433	424	47,11111111	9,422222222	88	82,141	5,511	11,10348423	60	59,374	20,542	70,71781359
325	74,544	14,223	27,97588969	30	29,827	22,964	165,4604873	7433	424	47,11111111	9,422222222	89	82,138	5,514	11,10952859	60	60,062	20,65	69,18039293
326	74,541	14,226	27,98179053	30	29,818	23,174	165,6191346	7433	424	47,11111111	9,422222222	88	82,126	5,526	11,13370602	60	58,651	20,757	72,43279351
327	74,524	14,243	28,01522863	30	32,896	23,175	152,1738208	7433	424	47,11111111	9,422222222	84	82,124	5,528	11,13773559	60	58,252	20,864	73,38617351
328	74,458	14,309	28,14504715	30	30,224	23,275	163,8239308	7432	425	47,22222222	9,444444444	89	82,106	5,546	11,17400173	60	61,725	20,97	65,54543102
329	74,422	14,345	28,21585724	30	31,689	23,276	157,3438023	7432	425	47,22222222	9,444444444	89	82,122	5,53	11,14176516	60	59,445	21,045	70,67653448
330	74,331	14,436	28,39484944	30	31,104	23,389	159,955935	7432	425	47,22222222	9,444444444	73	82,075	5,577	11,23646009	60	60,354	21,17	68,64353046
331	74,246	14,521	28,56203995	30	30,292	23,464	163,6204928	7432	425	47,22222222	9,444444444	78	82,055	5,597	11,27675581	60	56,522	21,165	77,55971324
332	74,24	14,527	28,57384163	30	31,586	23,474	157,8949469	7430	427	47,44444444	9,488888889	74	81,989	5,663	11,40973167	60	58,953	21,167	71,83565517
333	74,236	14,531	28,58170942	30	30,414	23,557	163,1209559	7430	427	47,44444444	9,488888889	68	81,95	5,702	11,48830831	60	57,227	21,171	75,87615493
334	74,244	14,523	28,56597384	30	30,29	23,679	163,7481451	7429	428	47,55555556	9,511111111	64	82,003	5,649	11,38152467	60	59,254	21,175	71,14526861
335	74,239	14,528	28,57580858	30	32,587	23,559	153,6644145	7429	428	47,55555556	9,511111111	54	82,049	5,603	11,28884452	60	61,679	20,971	65,64693351
336	74,224	14,543	28,60531279	30	32,666	23,697	153,4038926	7417	440	48,88888889	9,777777778	50	81,974	5,678	11,43995345	60	54,222	20,851	83,11835963
337	74,114	14,653	28,82167697	30	30,909	23,767	161,0223253	7413	444	49,33333333	9,866666667	47	81,941	5,711	11,50644138	60	59,25	20,756	71,05315084
338	73,941	14,826	29,16195884	30	31,31	23,765	159,2534656	7410	447	49,66666667	9,933333333	46	81,89	5,762	11,60919545	60	57,178	20,65	75,85808473
339	73,941	14,826	29,16195884	30	31,517	23,88	158,411095	7409	444	49,77777778	9,955555556	45	81,865	5,787	11,6595651	60	57,92	20,542	74,08115135



366	73,204	15,563	30,6115989	30	28,117	23,088	173,6081135	7380	477	53	10,6	53	81,571	6,081	12,25191211	60	58,545	20,327	72,57202895
367	73,162	15,605	30,69421069	30	28,222	22,901	172,9888235	7377	480	53,33333333	10,66666667	54	81,615	6,037	12,16326153	60	55,855	20,327	78,94802292
368	73,12	15,647	30,77682247	30	30,225	22,69	163,4961003	7377	480	53,33333333	10,66666667	56	81,562	6,09	12,27004518	60	57,428	20,221	75,15614082
369	73,021	15,746	30,97155024	30	27,59	22,476	175,8330475	7382	475	52,77777778	10,55555556	59	81,532	6,12	12,33048875	60	59,766	20,159	69,73408812
370	73,071	15,696	30,87320288	30	30,41	22,263	162,4274986	7381	476	52,88888889	10,57777778	56	81,499	6,153	12,39697668	60	56,709	20,016	76,809664
371	73,1	15,667	30,81616141	30	30,217	22,261	163,2951331	7379	478	53,11111111	10,62222222	57	81,425	6,227	12,54607083	60	57,918	20,164	73,99048247
372	72,969	15,798	31,07383149	30	30,102	22,176	163,7682792	7379	478	53,11111111	10,62222222	60	81,433	6,219	12,52995254	60	57,325	20,221	75,39939369
373	72,905	15,862	31,19971611	30	27,295	22,369	177,2367278	7378	479	53,22222222	10,64444444	60	81,471	6,181	12,45339068	60	60,841	20,327	67,35751762
374	72,943	15,824	31,12497212	30	27,002	22,583	178,8392972	7376	481	53,44444444	10,68888889	58	81,447	6,205	12,50174554	60	58,251	20,649	73,3348389
375	72,941	15,826	31,12890601	30	29,733	22,69	165,7387019	7377	480	53,33333333	10,66666667	54	81,401	6,251	12,59442568	60	61,768	20,819	65,41722294
376	72,863	15,904	31,28232789	30	30,282	22,772	163,2838958	7376	481	53,44444444	10,68888889	51	81,385	6,267	12,62666226	60	56,633	20,966	77,24074802
377	72,88	15,887	31,24888979	30	29,621	22,904	166,3746593	7375	482	53,55555556	10,71111111	50	81,385	6,267	12,62666226	60	58,438	21,031	72,99468344
378	72,859	15,908	31,29019568	30	30,364	22,966	163,0210777	7375	482	53,55555556	10,71111111	64	81,365	6,287	12,66695797	60	60,357	21,148	68,63164284
379	72,844	15,923	31,31969989	30	30,516	23,094	162,4082843	7371	486	54	10,8	73	81,365	6,287	12,66695797	60	56,814	21,171	76,86079996
380	72,828	15,939	31,35117104	30	31,01	23,174	160,254222	7379	478	53,11111111	10,62222222	69	81,365	6,287	12,66695797	60	52,197	21,242	88,40439483
381	72,742	16,025	31,5203285	30	30,411	23,275	162,9794263	7377	480	53,33333333	10,66666667	63	81,365	6,287	12,66695797	60	58,341	21,241	73,27268152
382	72,811	15,956	31,38460915	30	29,732	23,389	166,1349099	7367	490	54,44444444	10,88888889	60	81,365	6,287	12,66695797	60	59,033	21,158	71,64911442
383	72,783	15,984	31,43968367	30	30,91	23,28	160,7537886	7364	493	54,77777778	10,95555556	58	81,365	6,287	12,66695797	60	59,544	21,24	70,49711483
384	72,706	16,061	31,5911386	30	30,711	23,389	161,6975568	7368	489	54,33333333	10,86666667	56	81,365	6,287	12,66695797	60	54,104	21,242	83,52514053
385	72,689	16,078	31,6245767	30	31,019	23,388	160,3302086	7363	494	54,88888889	10,97777778	57	81,315	6,337	12,76769726	60	56,821	21,24	76,86206667
386	72,627	16,14	31,74652743	30	30,616	23,389	162,1219042	7361	496	55,11111111	11,02222222	58	81,267	6,385	12,86440697	60	59,549	21,173	70,46965546
387	72,638	16,129	31,72489101	30	31,01	23,491	160,4256579	7361	496	55,11111111	11,02222222	57	81,264	6,388	12,87045133	60	58,743	21,165	72,32027448
388	72,661	16,106	31,67965122	30	30,401	23,389	163,0871518	7361	496	55,11111111	11,02222222	51	81,252	6,4	12,89462876	60	58,74	21,028	72,29354972
389	72,6	16,167	31,799635	30	30,811	23,174	161,1353781	7358	499	55,44444444	11,08888889	62	81,264	6,388	12,87045133	60	59,653	20,95	70,17922766
390	72,567	16,2	31,86454426	30	31,376	23,099	158,6081133	7360	497	55,22222222	11,04444444	63	81,252	6,4	12,89462876	60	54,395	20,835	82,68128118
391	72,516	16,251	31,96485856	30	31,791	23,083	156,8016491	7362	495	55	11	69	81,226	6,426	12,94701319	60	59,438	20,828	70,64039349
399	72,513	16,254	31,9707594	30	31,437	23,095	158,340206	7363	499	54,88888889	10,97777778	69	81,263	6,389	12,87246612	60	62,084	20,649	64,68691969

2									4										
3 9 3	72,4 78	16,2 89	32,0396 0256	3 0	32,6 71	22,9 66	153,005 1947	73 61	4 9 6	55,1111 1111	11,0222 2222	7 4	81,2 96	6,3 56	12,8059 7819	6 0	55,9 18	20,5 42	78,8529 4025
3 9 4	72,4 2	16,3 47	32,1536 8549	3 0	31,3 07	22,9 62	158,835 8736	73 61	4 9 6	55,1111 1111	11,0222 2222	7 0	81,2 65	6,3 87	12,8684 3654	6 0	56,7 05	20,5 42	76,9570 4501
3 9 5	72,2 93	16,4 74	32,4034 8778	3 0	31,2 01	23,0 98	159,372 9055	73 59	4 9 8	55,3333 3333	11,0666 6667	6 7	81,2 17	6,4 35	12,9651 4626	6 0	59,4 38	20,5 42	70,5716 7014