

Slope (deg)	L=0	L=2	L=7	L=15	L=50
L=330	L=2000				
0.05	9	0	0	0	0
0	0				
0.15	391	7	0	0	0
21	11312				
0.25	2953	228	0	0	0
6602	868746				
0.35	10047	1280	10	4	34
69954	2749327				
0.45	27727	4464	101	48	557
342582	4992701				
0.55	46869	10741	468	349	3620
934790	7690681				
0.65	75211	22684	1653	1601	13691
1880129	8708895				
0.75	109781	37306	4348	5811	37190
2966344	8572241				
0.85	149286	56980	9428	14438	89139
3851125	7782990				
0.95	218448	85611	17900	29145	177457
4359997	7715075				
1.05	244130	113615	31143	52381	304151
4589262	7207299				
1.15	293567	150015	49324	86672	464076
4578236	5843088				
1.25	343249	184833	73528	131712	660749
4499058	5558681				
1.35	417513	237983	102768	184532	883844
4412427	5622726				
1.45	471417	274555	137633	247947	1121011
4338105	3181959				
1.55	495673	318307	177495	318841	1359481
4284545	1593902				
1.65	542361	357598	222744	396677	1587279
4182461	1211481				
1.75	624272	408366	271214	480615	1808288
4104280	1047873				
1.85	673756	455230	322773	569814	2006385
3974553	1109290				
1.95	676840	509878	378572	659912	2188753
3839207	1275254				
2.05	717251	547578	433091	749269	2356530
3676461	1408905				
2.15	754409	577382	490794	843342	2497740
3470936	1472310				
2.25	884311	639036	547361	930786	2607759
3243448	1644784				
2.35	826350	658566	604557	1014394	2696533
3053709	1732048				
2.45	854106	705590	657065	1099159	2758560
2863872	1836531				
2.55	882036	756114	713276	1172874	2790061
2699504	1672427				
2.65	962169	775365	758095	1241945	2796430
2532438	1423062				
2.75	984668	806372	813179	1313368	2783380
2343647	1552356				
2.85	951527	834785	859905	1361261	2754390
2122648	1536509				
2.95	970959	847331	901679	1418565	2718091
1948247	1249857				
3.05	1048040	916732	942567	1464444	2677022
1805118	953899				

3.15	1057291	908719	985792	1495969	2618996
1660108	861877				
3.25	1013844	929334	1007803	1530324	2559528
1495696	1023418				
3.35	1021659	932041	1042489	1557622	2486480
1322169	1055799				
3.45	1093767	963070	1074539	1573437	2410021
1175005	878948				
3.55	1095361	1009075	1098225	1590563	2333204
998850	849335				
3.65	1041683	987713	1112090	1594524	2251553
856980	816364				
3.75	1041854	980437	1139997	1599738	2162857
725315	301157				
3.85	1112750	1004478	1156280	1594491	2075494
623532	57740				
3.95	1102738	1010466	1160107	1592746	1988678
553883	8486				
4.05	1043302	1051437	1176001	1585563	1901350
501703	56				
4.15	1040988	1000663	1178038	1570737	1814921
439059	0				
4.25	1103359	1020023	1180854	1559276	1731380
385795	0				
4.35	1090389	1020371	1196450	1544599	1646825
353740	0				
4.45	1026496	1057422	1188539	1527494	1565390
326580	0				
4.55	1022517	1002297	1190989	1504285	1489190
301497	0				
4.65	1135994	1036588	1184368	1482096	1415788
276534	0				
4.75	1004412	995257	1174971	1459523	1347042
255005	0				
4.85	999054	1043635	1180891	1438068	1279008
236937	0				
4.95	989658	986448	1166260	1415113	1216668
219194	0				
5.05	1094322	1014351	1162528	1384543	1157062
202803	0				
5.15	969257	991749	1142793	1362037	1098907
186625	0				
5.25	958975	999980	1138833	1339133	1044839
181074	0				
5.35	1059439	994106	1133002	1312265	993423
178753	0				
5.45	935823	948758	1110134	1288478	945091
176472	0				
5.55	925788	992083	1103014	1257646	897480
167224	0				
5.65	962649	948136	1092454	1234969	851798
151557	0				
5.75	961099	939105	1072386	1207839	810161
143042	0				
5.85	889621	961301	1067465	1185231	769546
136368	0				
5.95	880139	902861	1048086	1157295	732082
134828	0				
6.05	969232	926647	1035542	1132672	695264
142425	0				
6.15	855907	912117	1020212	1105973	660347
148535	0				
6.25	843990	887973	1002055	1085018	631315
154498	0				

151103	6.35	9308020	893632	993134	1062867	603459
147544	6.45	8179150	878017	976072	1034702	575172
144974	6.55	8490370	872299	963621	1014092	548357
140286	6.65	8454120	843723	944140	987312	521063
136235	6.75	7803680	844950	932227	968728	497240
129166	6.85	8100230	838545	915626	944716	474430
126809	6.95	8097100	811695	903475	923975	453725
123133	7.05	7463500	809484	884493	903337	433720
122109	7.15	7733760	803661	874748	879590	415515
119767	7.25	7711170	805341	858420	862538	398716
115685	7.35	7110350	751373	841970	839321	381104
112198	7.45	7379430	772026	830640	821661	365337
106664	7.55	7370780	770112	821259	805459	350790
102824	7.65	7117210	735380	802371	785125	336678
100984	7.75	6668350	745710	791569	765008	322857
95498	7.85	7003720	712059	781342	746148	309629
88085	7.95	6794120	725180	764149	728878	298951
82713	8.05	6349700	691262	751041	711553	287682
84018	8.15	6987450	714928	735418	696149	276196
84263	8.25	6134510	670873	723621	676756	264175
81038	8.35	6350260	682414	719622	661432	253416
71408	8.45	6343290	651492	701805	646706	243601
63444	8.55	5826990	660777	691564	628324	234394
58379	8.65	6439290	641960	678679	614606	225724
53229	8.75	5638750	640785	668396	599880	216971
52305	8.85	5819100	612487	656590	586406	209365
52191	8.95	5821450	620506	641949	570531	201483
51586	9.05	5636240	603597	636701	556898	194908
49358	9.15	5620330	599936	622779	543061	187923
49382	9.25	5434400	584148	612958	531493	181282
50949	9.35	5093710	571311	603781	518344	175033
45816	9.45	5605260	583760	593438	505685	168176

	9.55	492277	545656	583498	494076	161826
38102		0				
	9.65	540765	566713	572989	481248	155341
32220		0				
	9.75	475867	545442	567398	468672	150656
27009		0				
	9.85	523048	531411	548403	457284	144402
21384		0				
	9.95	458051	528243	546785	448690	139253
17948		0				
	10.05	474997	504005	534319	436590	133907
17115		0				
	10.15	475823	509929	526993	426106	128169
15478		0				
	10.25	457023	513322	517008	415016	122905
14317		0				
	10.35	457822	478954	512405	405495	118851
13283		0				
	10.45	442789	497932	502003	396078	114937
13097		0				
	10.55	465229	486882	494203	385066	110519
13736		0				
	10.65	407496	471222	485513	376078	105993
13770		0				
	10.75	447334	458469	477152	367630	102343
12905		0				
	10.85	393696	455678	470879	358369	98467
12913		0				
	10.95	432724	456411	462122	350890	95233
11791		0				
	11.05	377609	440465	456062	340609	91375
9333		0				
	11.15	417599	427982	446326	333702	87800
7066		0				
	11.25	384049	434476	438294	324477	85405
4442		0				
	11.35	384755	416871	434157	315591	82256
2326		0				
	11.45	369459	418536	426921	309376	79916
1555		0				
	11.55	390583	412755	419215	300600	76959
743		0				
	11.65	341242	385560	411693	293712	74134
173		0				
	11.75	375260	397682	405092	286182	71808
48		0				
	11.85	347031	392409	397807	280097	69695
0		0				
	11.95	345695	377842	393696	270955	66666
0		0				
	12.05	334216	379789	385509	266601	64871
0		0				
	12.15	350499	381069	379649	259456	63144
0		0				
	12.25	328820	360001	375342	253567	60968
0		0				
	12.35	317000	359914	367260	246871	60038
0		0				
	12.45	333541	355091	363320	240655	58254
0		0				
	12.55	291311	331581	353270	234612	57278
0		0				
	12.65	321106	341833	353108	228605	56296
0		0				

0	12.75	296534	337696	343402	222791	54722
0	12.85	310230	337527	339866	217819	52994
0	12.95	291115	318762	334084	212286	51248
0	13.05	279975	320775	328264	207300	49615
0	13.15	295112	314010	323436	201739	48723
0	13.25	288801	316258	318730	196204	47035
0	13.35	252179	306947	314095	190590	45581
0	13.45	279985	300190	308752	185967	44558
0	13.55	256868	293993	301586	182086	43504
0	13.65	270183	294508	298432	176582	41892
0	13.75	264662	286102	294546	173031	40737
0	13.85	243452	279989	288463	168360	39724
0	13.95	245184	275780	280780	164072	38492
0	14.05	251980	270377	279132	160384	37075
0	14.15	230253	265729	273689	155668	36257
0	14.25	243472	274281	270959	152756	35027
0	14.35	239003	256601	267091	148657	34051
0	14.45	235347	258086	261708	144610	32826
0	14.55	216494	249499	257163	140964	32238
0	14.65	226889	251399	255434	138102	31246
0	14.75	214924	240516	249113	134301	30202
0	14.85	205901	236615	245804	130977	29536
0	14.95	216388	237360	240467	127900	28651
0	15.05	213432	235796	237898	124828	28110
0	15.15	209459	229556	232475	121423	26984
0	15.25	191745	222943	231036	118533	26441
0	15.35	202706	228727	225745	115333	25223
0	15.45	198688	214931	222586	112868	24084
0	15.55	195005	222221	220377	110063	23591
0	15.65	179288	208155	215235	107561	23081
0	15.75	188783	207958	212336	103772	22538
0	15.85	185087	210982	208575	102428	21574
0		0				

0	15.95	183240	198600	204600	99640	20416
0		0				
0	16.05	179661	203401	202060	97434	19838
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0	16.15	176311	195192	199301	94379	18889
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0	16.25	163393	194421	194891	92337	18125
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0	16.35	178932	193806	192218	89503	17561
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0	16.45	167984	190632	188016	87992	17057
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0	16.55	164907	179281	184980	84147	16162
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0	16.65	162585	184294	183016	82801	15391
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0	16.75	160745	182759	179536	80818	14913
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0	16.85	156890	174544	176277	78545	14225
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0	16.95	146136	174396	174040	76628	13837
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0	17.05	158995	177593	171920	74561	13583
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0	17.15	150272	166525	166211	73418	12719
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0	17.25	147375	167736	165466	70881	12474
0		0				
0	17.35	146428	164934	162780	69608	12061
0		0				
0	17.45	143544	158602	157517	67497	11523
0		0				
0	17.55	146199	160749	156977	65772	11371
0		0				
0	17.65	138198	158119	153427	64470	11152
0		0				
0	17.75	135870	155106	151938	62114	10695
0		0				
0	17.85	133530	153488	149210	61140	10423
0		0				
0	17.95	136371	149876	146223	59680	10223
0		0				
0	18.05	129885	148141	142637	58137	9628
0		0				
0	18.15	127944	146508	141885	56631	9263
0		0				
0	18.25	130879	147136	138192	55731	8673
0		0				
0	18.35	123396	140934	136471	53887	8544
0		0				
0	18.45	120813	138721	134175	52607	8239
0		0				
0	18.55	125348	140721	131044	51099	7763
0		0				
0	18.65	117728	135292	131319	50206	7155
0		0				
0	18.75	115596	132832	126589	48834	6556
0		0				
0	18.85	119014	136326	126097	47372	6295
0		0				
0	18.95	112418	128758	123546	46006	6071
0		0				
0	19.05	115182	129758	119653	45218	5704
0		0				

0	19.15	109128	124814	119299	43813	5376
0		0				
0	19.25	112979	126837	117416	43128	4974
0		0				
0	19.35	112615	123272	114762	41666	5038
0		0				
0	19.45	107710	126021	113211	40413	4666
0		0				
0	19.55	103256	118266	110288	39679	4651
0		0				
0	19.65	105698	118935	109448	39247	4505
0		0				
0	19.75	99696	116290	107534	37822	4381
0		0				
0	19.85	102550	116018	105611	37354	4166
0		0				
0	19.95	96701	114102	103804	36052	3902
0		0				
0	20.05	105985	114299	100858	35601	3712
0		0				
0	20.15	93797	107940	100357	34610	3564
0		0				
0	20.25	96326	111159	97697	33542	3442
0		0				
0	20.35	94935	109534	96339	32571	3194
0		0				
0	20.45	90145	103680	94611	31930	2894
0		0				
0	20.55	97640	108866	93511	31037	2553
0		0				
0	20.65	87385	99904	91022	30292	2457
0		0				
0	20.75	89260	106446	90000	29173	2343
0		0				
0	20.85	87894	99863	88666	28198	2178
0		0				
0	20.95	92526	102802	86529	27423	2248
0		0				
0	21.05	82179	95261	84423	26847	2091
0		0				
0	21.15	84534	100576	83687	26080	2042
0		0				
0	21.25	88960	98549	81871	25597	1932
0		0				
0	21.35	82438	93649	80531	24831	1873
0		0				
0	21.45	78560	93428	78996	23995	1856
0		0				
0	21.55	85871	92626	78185	23730	1709
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0	21.65	79281	92187	76059	22720	1774
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0	21.75	77952	92727	74611	22319	1661
0		0				
0	21.85	81019	90710	73362	21569	1582
0		0				
0	21.95	75467	87485	72475	21298	1510
0		0				
0	22.05	76624	86684	70970	20669	1484
0		0				
0	22.15	73936	86598	70513	19925	1425
0		0				
0	22.25	72536	86656	68062	19516	1389
0		0				

0	22.35	77029	85534	67895	19131	1296
0	22.45	70616	84255	65864	18750	1270
0	22.55	74442	83107	65159	18002	1266
0	22.65	68898	80162	63072	17821	1239
0	22.75	72296	80653	62458	16966	1226
0	22.85	67125	79945	61517	16613	1207
0	22.95	70509	80678	60693	16201	1146
0	23.05	65349	77493	58430	15952	1093
0	23.15	68787	76567	58028	15656	1123
0	23.25	63667	75882	56816	14939	1020
0	23.35	69203	76528	56599	14753	955
0	23.45	62439	74081	54668	14390	831
0	23.55	65991	74210	54581	13927	783
0	23.65	64518	73689	52616	13743	806
0	23.75	59869	70977	51910	13074	785
0	23.85	63569	70014	51617	12945	755
0	23.95	64884	74009	50138	12343	745
0	24.05	57443	68177	48776	12259	731
0	24.15	60235	68001	48735	11851	759
0	24.25	59924	68984	47518	11505	701
0	24.35	57678	67725	46493	11337	691
0	24.45	58817	68197	45738	11028	619
0	24.55	57705	64838	44815	10917	679
0	24.65	55802	66906	44342	10627	625
0	24.75	56406	63901	43230	10394	588
0	24.85	57598	66090	42029	9857	604
0	24.95	54678	62912	41719	9841	614
0	25.05	54569	62228	40773	9280	617
0	25.15	52606	62765	40459	9164	623
0	25.25	53585	61697	39364	8834	649
0	25.35	54239	61011	38542	8701	544
0	25.45	51918	59074	37979	8390	541

0	25.55	52418	60757	36822	8133	518
0	25.65	50469	58530	36661	7824	540
0	25.75	52012	59335	35760	7602	479
0	25.85	51033	58438	35237	7317	356
0	25.95	45869	56246	34935	7250	360
0	26.05	50551	57541	34090	6824	314
0	26.15	50053	56533	33246	6727	312
0	26.25	47515	54583	32708	6519	272
0	26.35	48434	55549	31846	6466	276
0	26.45	48395	54747	31130	6361	230
0	26.55	47227	53534	30902	6003	195
0	26.65	45383	53825	29980	5834	211
0	26.75	46333	53030	29380	5732	169
0	26.85	48235	52730	29021	5743	162
0	26.95	45359	51655	28478	5496	153
0	27.05	44774	51741	27774	5386	131
0	27.15	44229	50832	27568	5165	90
0	27.25	43609	51219	26332	5173	82
0	27.35	42034	48663	26189	4867	63
0	27.45	42735	49460	25773	4748	33
0	27.55	42337	48413	25593	4821	18
0	27.65	44262	49759	25140	4593	4
0	27.75	41323	47202	24256	4492	1
0	27.85	42818	49754	23778	4366	0
0	27.95	40400	46783	23310	4255	2
0	28.05	42668	46600	22693	4187	0
0	28.15	39771	46615	22747	4072	0
0	28.25	39319	46523	22133	4065	0
0	28.35	41000	45426	21695	3830	0
0	28.45	39070	44936	21446	3740	0
0	28.55	39504	45956	20958	3580	0
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0	28.75	37294	43695	20071	3471	0
0	28.85	38186	44057	19748	3442	0
0	28.95	38998	42488	19282	3383	0
0	29.05	35878	41925	19144	3258	0
0	29.15	39681	43201	18773	3097	0
0	29.25	35584	41767	18097	3084	0
0	29.35	37143	40834	18125	3019	0
0	29.45	36020	42052	17589	2941	0
0	29.55	36096	40041	17288	2834	0
0	29.65	35305	40822	16836	2810	0
0	29.75	35604	40536	16547	2815	0
0	29.85	36378	39922	16087	2718	0
0	29.95	33807	40122	16094	2530	0
0	30.05	34351	38312	15709	2490	0
0	30.15	35124	39543	15396	2441	0
0	30.25	32921	38866	14963	2466	0
0	30.35	33625	36935	14646	2419	0
0	30.45	34203	38409	14558	2333	0
0	30.55	32208	37905	14515	2176	0
0	30.65	33215	37651	14002	2195	0
0	30.75	32539	35510	13752	2052	0
0	30.85	33031	37028	13397	2045	0
0	30.95	30375	36710	13228	1921	0
0	31.05	32020	35769	13005	1864	0
0	31.15	31664	35539	12752	1867	0
0	31.25	31412	35087	12695	1797	0
0	31.35	30890	35243	12175	1865	0
0	31.45	31009	34578	12178	1777	0
0	31.55	30665	34377	11870	1604	0
0	31.65	30031	34057	11631	1597	0
0	31.75	30176	33926	11430	1685	0
0	31.85	30517	33574	10949	1538	0

0	31.95	29340	32854	11125	1463	0
0	32.05	28998	32597	11036	1410	0
0	32.15	28745	31838	10541	1519	0
0	32.25	28282	32254	10184	1338	0
0	32.35	28720	32807	10075	1378	0
0	32.45	27798	31076	9674	1263	0
0	32.55	27917	31475	9639	1277	0
0	32.65	29722	31813	9488	1340	0
0	32.75	26938	30632	9371	1168	0
0	32.85	27853	31423	9155	1206	0
0	32.95	26386	29541	8812	1196	0
0	33.05	28409	30162	8765	1068	0
0	33.15	25950	29650	8563	1166	0
0	33.25	26069	29721	8623	1102	0
0	33.35	27302	29395	8204	995	0
0	33.45	25503	28520	8223	1019	0
0	33.55	25470	28670	8038	1000	0
0	33.65	26670	28358	7827	946	0
0	33.75	24943	28542	7803	943	0
0	33.85	25581	27050	7745	890	0
0	33.95	24309	28170	7358	894	0
0	34.05	25606	27397	7274	844	0
0	34.15	23914	26935	7173	842	0
0	34.25	25051	26422	7006	803	0
0	34.35	23849	27141	6867	765	0
0	34.45	24721	26920	6773	734	0
0	34.55	24046	26216	6519	718	0
0	34.65	23069	25747	6396	698	0
0	34.75	23859	25678	6219	750	0
0	34.85	23590	25286	6314	711	0
0	34.95	23877	26080	6196	675	0
0	35.05	22080	25312	6053	622	0

0	35.15	22993	24602	5794	602	0
0	35.25	22378	24000	5643	602	0
0	35.35	22925	24633	5845	588	0
0	35.45	22239	23859	5562	560	0
0	35.55	22544	23986	5436	523	0
0	35.65	21559	23181	5240	502	0
0	35.75	19930	22678	5157	515	0
0	35.85	21840	23115	5102	518	0
0	35.95	21440	23313	4980	489	0
0	36.05	22259	22964	4931	470	0
0	36.15	21106	22676	4832	464	0
0	36.25	20678	22196	4832	487	0
0	36.35	20101	21916	4539	437	0
0	36.45	20470	22071	4668	400	0
0	36.55	20334	21766	4514	398	0
0	36.65	19472	21423	4360	388	0
0	36.75	20624	21461	4263	362	0
0	36.85	19411	20957	4267	396	0
0	36.95	19289	20961	4255	396	0
0	37.05	19951	20740	4124	342	0
0	37.15	18863	20496	4023	328	0
0	37.25	18448	20154	3854	355	0
0	37.35	19639	20139	3824	308	0
0	37.45	18197	19587	3970	270	0
0	37.55	19246	19683	3654	309	0
0	37.65	18350	19937	3727	314	0
0	37.75	18586	19412	3612	268	0
0	37.85	18005	19441	3519	266	0
0	37.95	18026	18502	3430	256	0
0	38.05	18183	18993	3233	235	0
0	38.15	17129	18578	3265	247	0
0	38.25	17458	18129	3173	224	0

0	38.35	17685	18135	3103	204	0
0	38.45	17522	18219	3063	256	0
0	38.55	15802	17265	2972	228	0
0	38.65	16931	17540	2965	222	0
0	38.75	16876	17446	2938	206	0
0	38.85	16979	17505	2760	191	0
0	38.95	16433	16775	2802	184	0
0	39.05	16473	17083	2714	182	0
0	39.15	16107	16530	2682	187	0
0	39.25	15917	16572	2576	169	0
0	39.35	15847	16610	2587	178	0
0	39.45	15845	16097	2480	154	0
0	39.55	15090	15564	2431	147	0
0	39.65	15054	15334	2386	152	0
0	39.75	15676	15928	2455	153	0
0	39.85	14951	15373	2357	140	0
0	39.95	14476	15151	2359	121	0
0	40.05	15436	15224	2214	158	0
0	40.15	14147	14872	2136	163	0
0	40.25	14530	14775	2193	147	0
0	40.35	14610	14512	2021	136	0
0	40.45	14235	14646	2019	144	0
0	40.55	14426	14347	2038	93	0
0	40.65	13565	13761	1997	98	0
0	40.75	14235	14062	1863	108	0
0	40.85	13299	13629	1904	93	0
0	40.95	13975	13941	1849	108	0
0	41.05	13495	13283	1846	90	0
0	41.15	13424	13311	1837	103	0
0	41.25	12737	12806	1690	99	0
0	41.35	13163	13099	1745	72	0
0	41.45	13206	12811	1586	80	0

0	41.55	12972	12393	1579	73	0
0	41.65	12952	12544	1572	75	0
0	41.75	12175	12146	1510	71	0
0	41.85	12017	11896	1468	79	0
0	41.95	12477	12392	1455	78	0
0	42.05	11920	11772	1476	57	0
0	42.15	12021	11812	1412	59	0
0	42.25	11827	11737	1356	59	0
0	42.35	11526	11010	1290	77	0
0	42.45	12090	11408	1361	54	0
0	42.55	11422	11282	1258	46	0
0	42.65	11258	11116	1327	66	0
0	42.75	11462	10782	1236	61	0
0	42.85	11049	11204	1314	43	0
0	42.95	11503	10714	1140	56	0
0	43.05	10668	10409	1096	38	0
0	43.15	10727	10249	1192	53	0
0	43.25	10173	10163	1147	43	0
0	43.35	10727	10161	1098	39	0
0	43.45	10642	10011	1072	30	0
0	43.55	9765	9750	1059	36	0
0	43.65	10376	9596	1080	43	0
0	43.75	10216	9710	1061	42	0
0	43.85	9657	8875	970	48	0
0	43.95	9969	9344	1010	38	0
0	44.05	9768	8881	953	35	0
0	44.15	9417	9000	915	29	0
0	44.25	9273	8850	848	37	0
0	44.35	9430	8805	940	36	0
0	44.45	9211	8699	828	31	0
0	44.55	9564	8645	847	36	0
0	44.65	8938	8357	829	34	0

0	44.75	0	8734	8240	845	21	0
0	44.85	0	8592	8191	809	29	0
0	44.95	0	8967	8159	821	21	0
0	45.05	0	8276	7768	769	29	0
0	45.15	0	8786	8074	790	18	0
0	45.25	0	8247	7596	690	22	0
0	45.35	0	8515	7887	746	23	0
0	45.45	0	8268	7381	680	21	0
0	45.55	0	7936	7285	734	23	0
0	45.65	0	7894	7223	716	27	0
0	45.75	0	7920	7045	611	13	0
0	45.85	0	8126	6995	648	19	0
0	45.95	0	7840	7056	617	19	0
0	46.05	0	7781	6722	676	19	0
0	46.15	0	7551	6719	610	29	0
0	46.25	0	7222	6654	604	19	0
0	46.35	0	7275	6396	581	13	0
0	46.45	0	7048	6179	557	18	0
0	46.55	0	7507	6385	562	14	0
0	46.65	0	6957	6307	532	17	0
0	46.75	0	6756	6158	516	13	0
0	46.85	0	6956	6032	522	15	0
0	46.95	0	6638	6099	508	15	0
0	47.05	0	6700	5583	487	18	0
0	47.15	0	6355	5556	498	17	0
0	47.25	0	6564	5699	463	11	0
0	47.35	0	6472	5632	436	21	0
0	47.45	0	6416	5354	470	26	0
0	47.55	0	6005	5349	413	12	0
0	47.65	0	5780	5359	419	4	0
0	47.75	0	5945	5071	404	10	0
0	47.85	0	5996	5086	385	11	0

0	47.95	0	6078	4949	424	10	0
0	48.05	0	5767	4984	390	13	0
0	48.15	0	5615	4784	382	10	0
0	48.25	0	5527	4546	380	5	0
0	48.35	0	5684	4672	376	8	0
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0	48.65	0	5381	4471	359	10	0
0	48.75	0	5285	4392	304	6	0
0	48.85	0	4956	4308	336	10	0
0	48.95	0	4978	4071	321	16	0
0	49.05	0	5100	4122	300	12	0
0	49.15	0	4825	3961	283	8	0
0	49.25	0	4860	3933	275	8	0
0	49.35	0	4730	4074	307	9	0
0	49.45	0	4707	3809	282	9	0
0	49.55	0	4555	3757	254	5	0
0	49.65	0	4472	3648	294	5	0
0	49.75	0	4572	3584	285	14	0
0	49.85	0	4467	3559	243	9	0
0	49.95	0	4450	3670	265	8	0