

35 ST. ANDREW SQUARE,
EDINBURGH, 31st January 1936.

The Honorary Editor,

THE FACULTY OF ACTUARIES IN SCOTLAND,
EDINBURGH.

DEAR SIR,

A1924-29 ULTIMATE TABLES 2½% INTEREST.

Having recently had occasion to use the Joint Life Annuity Values on this basis, given in the published Tables, I found it tedious to interpolate for the intermediate Values by inspection as suggested by the Joint Committee, and realising that interpolation by first differences gave rise roughly to an error of $\cdot 01$ in the Values, I formed a complete Table for all ages from 21 to 90, using second forward differences in the interpolation. These Tables I now enclose with the hope that others may be saved the trouble of repeating the work.

Having drafted the form of the Tables and inserted the Values where each age was a multiple of three and where the ages were equal, interpolation was carried out for the older ages keeping the younger ages constant, the work being checked at each stage by summation. Thereafter in each perpendicular column interpolation was made for the younger age, and this work was not checked by summation, but, having based u_{3x+1} and u_{3x+2} on u_{3x} and its first and second differences, these were checked by ascertaining that $u_{3(x+1)} - u_{3x+2} = \frac{1}{3}\Delta u_{3x} + \frac{1}{9}\Delta^2 u_{3x}$. In all the interpolations where at the end of each column the second difference adjustment was not available, it was found by extrapolation from the preceding Values.

As the published Values are given to three decimal places, as are the interpolated Values, the latter are, of course, suspect to the extent of $\cdot 001$.

I am, Sir,

Yours faithfully,

C. KEITH GRANGER.

a_{xy}

<i>x</i>	<i>y</i>						
	21	22	23	24	25	26	27
21	24·277	24·137	23·986	23·825	23·653	23·470	23·276
	21	24·002	23·858	23·703	23·537	23·359	23·171
		22	23·718	23·570	23·410	23·238	23·056
	23			23·425	23·272	23·107	22·931
		24	23·124				
	25			22·814	22·652	22·495	
		26	22·652				22·495
	27			22·328	22·161	21·994	
90		1·075	89				88
	89			1·119	1·165	1·262	
88		1·163	1·212				1·313
	87			1·207	1·260	1·365	
86		1·252	1·309				1·417
	85			1·297	1·357	1·468	
84		1·342	1·405				1·520
	83			1·387	1·453	1·572	
82		1·432	1·501				1·623
	81			1·477	1·549	1·674	
80		1·521	1·596				1·725
	79			1·565	1·643	1·725	
78		1·608	1·690				1·775
	77			1·650	1·736	1·824	
76		1·690	1·780				1·872
	75			1·729	1·823	1·919	
74		1·766	1·865				1·964
	73			1·802	1·904	2·007	
72		1·837	1·941				2·048
	71			1·869	1·977	2·088	
70		1·901	2·012				2·126
	69			1·932	2·045	2·162	
68		1·960	2·077				2·198
	67			1·987	2·107	2·231	
66		2·013	2·136				2·262
	65			2·036	2·161	2·291	
64		2·057	2·184				2·316
	63			2·076	2·204	2·338	
62		2·092	2·224				2·359
	61			2·108	2·242	2·379	
60		2·123	2·258				2·397
	90			89	88	87	

axy

<i>y</i>							<i>x</i>
28	29	30	31	32	33	34	
23-070	22-853	22-624	22-383	22-131	21-869	21-595	21
22-971	22-760	22-536	22-301	22-054	21-798	21-528	22
22-862	22-657	22-439	22-210	21-968	21-718	21-453	23
22-744	22-545	22-333	22-109	21-874	21-628	21-370	24
22-616	22-423	22-218	22-001	21-771	21-532	21-280	25
22-477	22-290	22-092	21-882	21-658	21-426	21-180	26
22-327	22-147	21-956	21-752	21-536	21-309	21-069	27
22-166	21-993	21-808	21-612	21-401	21-183	20-950	28
	21-828	21-649	21-461	21-256	21-046	20-820	29
28							
	29						
		21-480					
			21-298				
			21-124				
		30					
			31				
				32			
					33		
						34	
							30
							31
							32
							33
							34
83							
	82						
1-869		81					
1-942	2-019		80				
2-015	2-097	2-180					
2-089	2-177	2-265	2-353		79		
2-162	2-255	2-349	2-443		78		
2-234	2-332	2-432	2-533	2-634		77	
2-305	2-409	2-514	2-622	2-729	2-841	2-946	77
2-376	2-485	2-596	2-709	2-823	2-941	3-054	76
2-446	2-560	2-677	2-795	2-916	3-039	3-161	75
2-514	2-633	2-755	2-879	3-007	3-136	3-268	74
2-579	2-704	2-832	2-963	3-097	3-233	3-272	73
2-642	2-773	2-908	3-046	3-186	3-329	3-473	72
2-704	2-841	2-981	3-126	3-272	3-422	3-574	71
2-764	2-906	3-052	3-203	3-356	3-513	3-672	70
2-822	2-969	3-121	3-278	3-438	3-602	3-768	69
2-876	3-029	3-187	3-349	3-516	3-687	3-860	68
2-929	3-087	3-250	3-418	3-591	3-769	3-949	67
2-980	3-142	3-310	3-484	3-663	3-848	4-035	66
3-026	3-192	3-366	3-544	3-730	3-922	4-115	65
3-068	3-239	3-417	3-601	3-792	3-990	4-190	64
3-107	3-282	3-464	3-654	3-850	4-053	4-260	63
3-142	3-322	3-506	3-703	3-903	4-112	4-325	62
3-175	3-358	3-546	3-747	3-952	4-167	4-386	61
3-205	3-391	3-585	3-787	3-998	4-217	4-442	60
83	82	81	80	79	78	77	

a_{xy}

<i>x</i>	<i>y</i>						
	35	36	37	38	39	40	41
21	21-311	21-016	20-711	20-397	20-075	19-743	19-402
22	21-249	20-959	20-657	20-348	20-029	19-701	19-364
23	21-179	20-894	20-596	20-292	19-977	19-653	19-320
24	21-101	20-821	20-529	20-228	19-919	19-600	19-271
25	21-016	20-742	20-456	20-161	19-856	19-542	19-216
26	20-922	20-654	20-374	20-085	19-785	19-476	19-154
27	20-818	20-557	20-283	19-999	19-706	19-401	19-086
28	20-706	20-452	20-185	19-907	19-620	19-321	19-012
29	20-583	20-436	20-076	19-805	19-524	19-232	18-929
30	20-450	20-210	19-957	19-693	19-419	19-133	18-836
31	20-307	20-073	19-828	19-571	19-305	19-026	18-736
32	20-152	19-925	19-688	19-439	19-180	18-909	18-626
33	19-985	19-767	19-537	19-296	19-045	18-782	18-507
34	19-808	19-598	19-377	19-143	18-900	18-644	18-378
35	19-618	19-417	19-205	18-979	18-744	18-496	18-238
	35	19-224	19-020	18-804	18-576	18-338	18-088
		36	18-824	18-618	18-398	18-170	17-928
			37	18-419	18-208	17-990	17-757
				38	18-009	17-798	17-574
					39		
						17-594	17-381
						40	17-175
							41
	76						
76	3-169						
75	3-283	75					
		3-406					
74	3-396	3-529	74				
73	3-508	3-648		73			
72	3-618	3-765		3-920	72		
71	3-726	3-981		3-909	4-054	71	
70	3-832	3-995		4-035	4-188	4-493	70
				4-320	4-483	4-641	4-803
69	3-936	4-107	4-278	4-449	4-621	4-791	4-961
68	4-036	4-216	4-394	4-574	4-756	4-937	5-117
67	4-133	4-321	4-508	4-697	4-888	5-079	5-269
66	4-227	4-423	4-619	4-817	5-017	5-216	5-416
65	4-314	4-517	4-722	4-929	5-139	5-347	5-557
64	4-396	4-607	4-819	5-035	5-254	5-472	5-692
63	4-473	4-692	4-911	5-135	5-363	5-591	5-821
62	4-544	4-771	4-997	5-230	5-466	5-703	5-943
61	4-611	4-844	5-078	5-318	5-562	5-808	6-057
60	4-673	4-911	5-153	5-400	5-652	5-907	6-164
	76	75	74	73	72	71	70

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y							x
42	43	44	45	46	47	48	
19-052	18-693	18-325	17-947	17-560	17-166	16-765	21
19-018	18-661	18-296	17-921	17-536	17-145	16-746	22
18-978	18-624	18-262	17-890	17-508	17-120	16-723	23
18-932	18-582	18-223	17-855	17-477	17-091	16-696	24
18-882	18-537	18-181	17-817	17-442	17-059	16-667	25
18-825	18-485	18-133	17-773	17-401	17-022	16-633	26
18-762	18-426	18-080	17-723	17-355	16-979	16-594	27
18-692	18-362	18-021	17-668	17-304	16-932	16-552	28
18-614	18-290	17-954	17-606	17-247	16-879	16-504	29
18-528	18-209	17-879	17-537	17-183	16-820	16-449	30
18-435	18-121	17-797	17-462	17-114	16-757	16-390	31
18-332	18-024	17-707	17-378	17-037	16-686	16-324	32
18-219	17-919	17-608	17-286	16-951	16-606	16-250	33
18-097	17-805	17-502	17-186	16-859	16-520	16-170	34
17-965	17-681	17-386	17-079	16-758	16-426	16-082	35
17-824	17-548	17-260	16-960	16-647	16-323	15-987	36
17-673	17-404	17-125	16-834	16-529	16-212	15-885	37
17-511	17-250	16-980	16-698	16-501	16-092	15-774	38
17-337	17-087	16-825	16-552	16-264	15-964	15-653	39
17-153	16-913	16-661	16-397	16-118	15-827	15-525	40
16-957	16-727	16-485	16-230	15-961	15-679	15-386	41
16-750	16-530	16-297	16-052	15-792	15-520	15-236	42
	16-321	16-097	15-863	15-613	15-350	15-076	43
42		15-886	15-661	15-421	15-168	14-904	44
	43		15-446	15-217	14-975	14-721	45
		44		15-000	14-769	14-524	46
			45		14-550	14-315	47
				46		14-095	48
					47		
						48	
69							
5-130							
5-308	68						
5-470	5-473						
5-617	5-647	67					
5-769	5-815	5-831					
	5-978	6-010	66				
		6-183	6-203	65			
			6-388	6-586	64		
						63	
5-914	6-133	6-350	6-567	6-775	6-979		
6-053	6-281	6-510	6-739	6-957	7-171	7-380	63
6-183	6-423	6-661	6-903	7-131	7-359	7-580	62
6-307	6-557	6-806	7-058	7-298	7-537	7-770	61
6-424	6-684	6-944	7-205	7-457	7-706	7-951	60
69	68	67	66	65	64	63	

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x	y						
	49	50	51	52	53	54	55
21	16-354	15-938	15-517	15-088	14-655	14-219	13-776
22	16-336	15-922	15-503	15-076	14-644	14-209	13-767
23	16-315	15-903	15-486	15-061	14-631	14-197	13-756
24	16-290	15-880	15-467	15-043	14-615	14-182	13-743
25	16-265	15-857	15-446	15-023	14-597	14-166	13-729
26	16-230	15-830	15-421	15-000	14-576	14-147	13-712
27	16-200	15-799	15-391	14-973	14-551	14-126	13-693
28	16-162	15-763	15-359	14-943	14-524	14-101	13-671
29	16-118	15-722	15-322	14-909	14-493	14-073	13-645
30	16-067	15-677	15-279	14-871	14-458	14-041	13-616
31	16-011	15-629	15-233	14-829	14-420	14-006	13-583
32	15-949	15-572	15-181	14-781	14-377	13-966	13-546
33	15-882	15-506	15-123	14-729	14-329	13-922	13-506
34	15-808	15-438	15-061	14-671	14-276	13-873	13-462
35	15-727	15-363	14-992	14-607	14-217	13-819	13-413
36	15-639	15-282	14-915	14-537	14-152	13-760	13-358
37	15-544	15-194	14-834	14-462	14-083	13-697	13-300
38	15-440	15-098	14-745	14-380	14-007	13-627	13-236
39	15-328	14-993	14-647	14-290	13-925	13-551	13-167
40	15-208	14-882	14-544	14-194	13-837	13-470	13-093
41	15-078	14-761	14-431	14-089	13-740	13-381	13-011
42	14-938	14-629	14-309	13-976	13-634	13-283	12-920
43	14-789	14-490	14-178	13-855	13-522	13-179	12-824
44	14-628	14-339	14-036	13-723	13-399	13-065	12-718
45	14-454	14-175	13-883	13-580	13-266	12-940	12-602
46	14-236	14-000	13-719	13-426	13-122	12-806	12-478
47	14-005	13-813	13-643	13-260	13-066	12-661	12-343
48	13-860	13-613	13-354	13-082	12-799	12-504	12-197
49	13-637	13-401	13-153	12-892	12-621	12-337	12-041
	49	13-177	12-940	12-690	12-431	12-158	11-874
			12-715	12-477	12-228	11-968	11-695
		50		12-253	12-015	11-766	11-505
			51		11-790	11-552	11-303
				52		11-327	11-089
					53		
						54	10-866
							55

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y							x
56	57	58	59	60	61	62	
13-333	12-889	12-443	11-999	11-556	11-115	10-677	21
13-325	12-882	12-437	11-994	11-551	11-111	10-673	22
13-315	12-873	12-429	11-987	11-545	11-106	10-669	23
13-303	12-863	12-420	11-979	11-539	11-100	10-664	24
13-291	12-852	12-410	11-970	11-531	11-093	10-658	25
13-276	12-839	12-398	11-959	11-521	11-085	10-650	26
13-259	12-823	12-383	11-945	11-510	11-074	10-641	27
13-239	12-805	12-367	11-931	11-497	11-062	10-631	28
13-216	12-784	12-348	11-914	11-482	11-048	10-619	29
13-189	12-760	12-327	11-895	11-465	11-033	10-604	30
13-159	12-734	12-303	11-873	11-445	11-015	10-588	31
13-125	12-704	12-276	11-848	11-422	10-995	10-570	32
13-088	12-669	12-245	11-821	11-397	10-972	10-549	33
13-047	12-632	12-211	11-790	11-369	10-947	10-527	34
13-002	12-591	12-173	11-756	11-338	10-919	10-502	35
12-953	12-546	12-132	11-718	11-304	10-889	10-475	36
12-901	12-498	12-088	11-678	11-268	10-856	10-445	37
12-843	12-445	12-039	11-634	11-228	10-819	10-412	38
12-779	12-386	11-986	11-585	11-183	10-779	10-375	39
12-710	12-324	11-929	11-533	11-137	10-736	10-335	40
12-634	12-255	11-866	11-475	11-085	10-688	10-291	41
12-552	12-178	11-796	11-412	11-026	10-635	10-244	42
12-463	12-097	11-721	11-344	10-964	10-579	10-194	43
12-365	12-007	11-638	11-268	10-895	10-516	10-137	44
12-258	11-908	11-548	11-185	10-818	10-447	10-074	45
12-143	11-802	11-450	11-095	10-736	10-372	10-005	46
12-018	11-686	11-343	10-996	10-645	10-289	9-929	47
11-882	11-559	11-226	10-888	10-546	10-197	9-845	48
11-737	11-424	11-100	10-772	10-438	10-097	9-754	49
11-581	11-278	10-964	10-646	10-321	9-989	9-655	50
11-413	11-121	10-819	10-511	10-196	9-874	9-548	51
11-234	10-954	10-663	10-365	10-061	9-749	9-433	52
11-044	10-776	10-496	10-209	9-916	9-615	9-309	53
10-842	10-586	10-318	10-043	9-762	9-471	9-175	54
10-631	10-385	10-129	9-865	9-596	9-317	9-032	55
10-408	10-174	9-930	9-678	9-421	9-154	8-880	56
	9-953	9-722	9-483	9-237	8-982	8-720	57
		9-505	9-278	9-045	8-802	8-551	58
56			9-063	8-843	8-612	8-373	59
	57			8-630	8-411	8-185	60
		58			8-206	7-992	61
			59			7-789	62
				60			
					61		
						62	

a_{xy}

<i>x</i>	<i>y</i>						
	63	64	65	66	67	68	69
21	10-243	9-808	9-380	8-959	8-541	8-134	7-739
22	10-240	9-805	9-377	8-957	8-539	8-133	7-738
23	10-236	9-802	9-374	8-955	8-537	8-131	7-736
24	10-232	9-798	9-371	8-952	8-535	8-129	7-734
25	10-227	9-793	9-367	8-948	8-532	8-127	7-732
26	10-220	9-787	9-362	8-943	8-528	8-124	7-729
27	10-212	9-780	9-355	8-938	8-523	8-119	7-725
28	10-203	9-771	9-348	8-931	8-517	8-114	7-721
29	10-192	9-761	9-340	8-923	8-510	8-108	7-716
30	10-178	9-751	9-330	8-915	8-502	8-100	7-709
31	10-163	9-738	9-318	8-904	8-492	8-091	7-701
32	10-146	9-723	9-304	8-892	8-481	8-081	7-692
33	10-128	9-706	9-290	8-879	8-469	8-070	7-683
34	10-109	9-687	9-273	8-864	8-456	8-059	7-672
35	10-087	9-666	9-254	8-847	8-441	8-046	7-660
36	10-061	9-644	9-233	8-829	8-425	8-031	7-647
37	10-034	9-620	9-211	8-809	8-407	8-015	7-632
38	10-004	9-593	9-187	8-787	8-387	7-997	7-616
39	9-971	9-563	9-160	8-763	8-365	7-977	7-599
40	9-936	9-531	9-131	8-738	8-343	7-957	7-581
41	9-897	9-496	9-099	8-710	8-318	7-934	7-561
42	9-853	9-457	9-065	8-678	8-289	7-909	7-538
43	9-807	9-416	9-028	8-644	8-259	7-882	7-514
44	9-755	9-369	8-986	8-606	8-225	7-851	7-487
45	9-698	9-317	8-939	8-563	8-186	7-817	7-456
46	9-638	9-260	8-887	8-516	8-144	7-780	7-422
47	9-569	9-197	8-829	8-464	8-097	7-738	7-384
48	9-490	9-127	8-766	8-408	8-046	7-691	7-343
49	9-408	9-053	8-700	8-348	7-990	7-641	7-297
50	9-318	8-971	8-626	8-280	7-928	7-585	7-246
51	9-219	8-881	8-543	8-204	7-860	7-522	7-191
52	9-113	8-783	8-454	8-123	7-787	7-456	7-130
53	8-998	8-677	8-357	8-035	7-707	7-383	7-063
54	8-875	8-564	8-252	7-939	7-619	7-303	6-991
55	8-742	8-441	8-139	7-836	7-525	7-216	6-912
56	8-601	8-310	8-118	7-725	7-423	7-123	6-827
57	8-451	8-172	7-890	7-606	7-313	7-023	6-736
58	8-292	8-025	7-753	7-479	7-197	6-917	6-639
59	8-125	7-870	7-609	7-445	7-074	6-804	6-535
	63	64	65	66	67	68	69

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<i>y</i>							<i>x</i>
70	71	72	73	74	75	76	
7-353	6-980	6-621	6-275	5-941	5-618	5-308	21
7-352	6-980	6-621	6-275	5-941	5-618	5-308	22
7-351	6-979	6-620	6-274	5-940	5-617	5-307	23
7-350	6-978	6-619	6-273	5-939	5-616	5-306	24
7-348	6-976	6-617	6-271	5-937	5-615	5-305	25
7-345	6-974	6-615	6-269	5-935	5-614	5-304	26
7-342	6-971	6-613	6-267	5-933	5-612	5-303	27
7-338	6-968	6-610	6-265	5-931	5-610	5-301	28
7-333	6-964	6-606	6-262	5-929	5-608	5-299	29
7-328	6-959	6-602	6-258	5-926	5-605	5-296	30
7-321	6-953	6-597	6-253	5-921	5-601	5-293	31
7-313	6-946	6-591	6-247	5-916	5-597	5-290	32
7-305	6-939	6-584	6-241	5-910	5-592	5-286	33
7-295	6-930	6-576	6-234	5-904	5-586	5-281	34
7-284	6-920	6-567	6-226	5-897	5-580	5-275	35
7-272	6-909	6-558	6-218	5-890	5-573	5-269	36
7-258	6-898	6-548	6-209	5-882	5-566	5-262	37
7-244	6-886	6-537	6-199	5-873	5-558	5-255	38
7-230	6-872	6-524	6-187	5-862	5-549	5-247	39
7-213	6-857	6-511	6-175	5-851	5-540	5-239	40
7-194	6-840	6-496	6-162	5-839	5-530	5-230	41
7-174	6-821	6-480	6-148	5-827	5-518	5-219	42
7-153	6-802	6-462	6-133	5-814	5-506	5-209	43
7-129	6-780	6-442	6-116	5-799	5-492	5-197	44
7-101	6-756	6-421	6-096	5-781	5-477	5-182	45
7-071	6-730	6-397	6-075	5-762	5-460	5-167	46
7-037	6-700	6-370	6-051	5-740	5-441	5-150	47
7-000	6-666	6-340	6-023	5-716	5-419	5-131	48
6-959	6-628	6-307	5-993	5-689	5-395	5-110	49
6-913	6-586	6-270	5-960	5-659	5-368	5-086	50
6-862	6-541	6-229	5-923	5-626	5-339	5-059	51
6-808	6-492	6-185	5-884	5-591	5-307	5-031	52
6-748	6-438	6-136	5-840	5-552	5-271	4-999	53
6-681	6-378	6-082	5-791	5-508	5-232	4-963	54
6-610	6-313	6-023	5-737	5-459	5-189	4-924	55
6-533	6-243	5-959	5-679	5-406	5-142	4-881	56
6-449	6-167	5-890	5-616	5-349	5-090	4-835	57
6-360	6-086	5-817	5-549	5-289	5-034	4-785	58
6-265	5-999	5-738	5-477	5-224	4-974	4-731	59
70	71	72	73	74	75	76	

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<i>x</i>	<i>y</i>						
	77	78	79	80	81	82	83
21	5-011	4-726	4-454	4-195	3-950	3-718	3-497
22	5-011	4-726	4-454	4-195	3-950	3-718	3-497
23	5-010	4-725	4-453	4-194	3-949	3-717	3-496
24	5-009	4-725	4-453	4-194	3-949	3-717	3-496
25	5-008	4-724	4-453	4-194	3-949	3-717	3-496
26	5-008	4-724	4-452	4-194	3-948	3-717	3-496
27	5-007	4-723	4-452	4-194	3-948	3-717	3-496
28	5-005	4-722	4-451	4-193	3-947	3-716	3-496
29	5-003	4-720	4-450	4-192	3-946	3-715	3-495
30	5-000	4-718	4-448	4-190	3-945	3-714	3-494
31	4-998	4-715	4-446	4-188	3-943	3-712	3-492
32	4-995	4-712	4-443	4-186	3-941	3-710	3-490
33	4-992	4-709	4-440	4-183	3-938	3-707	3-487
34	4-987	4-705	4-436	4-180	3-935	3-705	3-485
35	4-982	4-701	4-432	4-176	3-932	3-702	3-483
36	4-977	4-696	4-428	4-172	3-929	3-699	3-480
37	4-971	4-690	4-423	4-168	3-925	3-696	3-477
38	4-964	4-684	4-418	4-163	3-921	3-692	3-474
39	4-957	4-678	4-412	4-158	3-916	3-688	3-471
40	4-949	4-672	4-407	4-153	3-912	3-684	3-467
41	4-941	4-665	4-401	4-147	3-907	3-679	3-463
42	4-932	4-657	4-393	4-141	3-901	3-674	3-458
43	4-922	4-648	4-385	4-134	3-895	3-669	3-454
44	4-911	4-638	4-376	4-126	3-888	3-663	3-449
45	4-899	4-627	4-366	4-117	3-881	3-656	3-442
46	4-885	4-616	4-355	4-109	3-872	3-649	3-436
47	4-870	4-603	4-343	4-099	3-862	3-641	3-429
48	4-854	4-587	4-331	4-086	3-852	3-631	3-420
49	4-834	4-569	4-316	4-073	3-841	3-620	3-409
50	4-813	4-550	4-299	4-058	3-828	3-608	3-398
51	4-789	4-530	4-280	4-041	3-812	3-595	3-388
52	4-764	4-509	4-261	4-022	3-795	3-580	3-375
53	4-735	4-483	4-238	4-001	3-778	3-563	3-360
54	4-703	4-454	4-211	3-979	3-757	3-545	3-343
55	4-668	4-421	4-183	3-954	3-734	3-525	3-325
56	4-630	4-386	4-152	3-926	3-709	3-503	3-305
57	4-588	4-349	4-118	3-896	3-682	3-478	3-283
58	4-543	4-309	4-081	3-863	3-652	3-451	3-259
59	4-494	4-266	4-041	3-827	3-619	3-422	3-233
	77	78	79	80	81	82	83

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<i>y</i>							<i>x</i>
84	85	86	87	88	89	90	
3-287	3-090	2-903	2-727	2-564	2-407	2-256	21
3-287	3-090	2-903	2-727	2-564	2-407	2-256	22
3-287	3-090	2-903	2-727	2-564	2-407	2-256	23
3-287	3-090	2-903	2-727	2-564	2-407	2-256	24
3-287	3-090	2-903	2-727	2-564	2-407	2-256	25
3-286	3-090	2-903	2-727	2-564	2-407	2-256	26
3-286	3-090	2-903	2-727	2-564	2-407	2-256	27
3-286	3-090	2-903	2-727	2-564	2-407	2-256	28
3-285	3-089	2-903	2-726	2-563	2-406	2-256	29
3-284	3-088	2-902	2-725	2-562	2-405	2-255	30
3-282	3-087	2-901	2-724	2-562	2-405	2-255	31
3-281	3-085	2-900	2-723	2-561	2-405	2-254	32
3-279	3-083	2-897	2-722	2-560	2-404	2-253	33
3-277	3-082	2-896	2-721	2-559	2-403	2-252	34
3-275	3-080	2-895	2-720	2-558	2-402	2-251	35
3-273	3-078	2-893	2-718	2-556	2-400	2-249	36
3-270	3-076	2-891	2-716	2-554	2-398	2-248	37
3-267	3-073	2-889	2-714	2-552	2-397	2-247	38
3-264	3-070	2-886	2-711	2-550	2-395	2-245	39
3-261	3-067	2-884	2-709	2-548	2-393	2-243	40
3-257	3-064	2-881	2-707	2-546	2-391	2-241	41
3-253	3-061	2-878	2-704	2-543	2-388	2-239	42
3-249	3-058	2-875	2-701	2-540	2-386	2-237	43
3-244	3-054	2-871	2-698	2-537	2-383	2-235	44
3-239	3-048	2-866	2-694	2-534	2-380	2-232	45
3-233	3-043	2-862	2-689	2-530	2-377	2-229	46
3-226	3-037	2-857	2-684	2-526	2-373	2-226	47
3-219	3-030	2-850	2-679	2-521	2-369	2-222	48
3-209	3-021	2-843	2-673	2-516	2-365	2-218	49
3-199	3-012	2-835	2-666	2-510	2-360	2-213	50
3-190	3-004	2-827	2-659	2-504	2-354	2-208	51
3-179	2-993	2-818	2-651	2-496	2-347	2-202	52
3-166	2-981	2-808	2-642	2-487	2-339	2-195	53
3-151	2-969	2-796	2-631	2-478	2-330	2-188	54
3-135	2-955	2-784	2-619	2-467	2-321	2-180	55
3-117	2-939	2-770	2-606	2-455	2-311	2-171	56
3-097	2-921	2-753	2-592	2-443	2-299	2-160	57
3-075	2-902	2-736	2-576	2-429	2-286	2-149	58
3-051	2-881	2-719	2-559	2-414	2-272	2-137	59
84	85	86	87	88	89	90	