Factors of 1643 are 1, 31, 53, 1643

	*fam7	*fam11	*fam13	*fam17	*fam19	*fam23	*fam29
	29 and +30	13 and +30	11 and + 30	19 and + 30	17 and + 30	1 and + 30	7 and + 30
	L6 and +7	L4 and + 11	L4 and + 13	L10 and + 1	L10 and +19	L0 and + 23	L6 and + 29

1643

SUB-RIGHT	ps	start	int(sq root)	level 23	*fam1	*fam7	*fam11	*fam13	*fam17	*fam19	*fam23	*fam29
LEVEL	1643	23	40.53	54	1	7	11	13	17	19	23	29
0	1643	23	40.53	54	1643.00000	234.71429	149.36364	126.38462	96.64706	86.47368	71.43478	56.65517
	1643											
1	1643				31	37	41	43	47	49	53	59
	1643				53.00000	44.40541	40.07317	38.20930	34.95745	33.53061	31.00000	27.84746
	1643											
2	1643				61	67	71	73	77	79	83	89
	1643				26.93443	24.52239	23.14085	22.50685	21.33766	20.79747	19.79518	18.46067
	1643											
3	1643				91	97	101	103	107	109	113	119
	1643				18.05495	16.93814	16.26733	15.95146	15.35514	15.07339	14.53982	13.80672
	1643											
4	1643				121	127	131	133	137	139	143	149
	1643				13.57851	12.93701	12.54198	12.35338	11.99270	11.82014	11.48951	11.02685
	1643											
5	1643				151	157	161	163	167	169	173	179
	1643				10.88079	10.46497	10.20497	10.07975	9.83832	9.72189	9.49711	9.17877
	1643											
6	1643				181	187	191	193	197	199	203	209
	1643				9.07735	8.78610	8.60209	8.51295	8.34010	8.25628	8.09360	7.86124
	1643											
7	1643				211	217	221	223	227	229	233	239
	1643				7.78673	7.57143	7.43439	7.36771	7.23789	7.17467	7.05150	6.87448
	1643											
8	1643				241	247	251	253	257	259	263	269
	1643				6.81743	6.65182	6.54582	6.49407	6.39300	6.34363	6.24715	6.10781
	1643											
9	1643				271	277	281	283	287	289	293	299
	1643				6.06273	5.93141	5.84698	5.80565	5.72474	5.68512	5.60751	5.49498
	1643											
10	1643				301	307	311	313	317	319	323	329
	1643				5.45847	5.35179	5.28296	5.24920	5.18297	5.15047	5.08669	4.99392
	1643											
11	1643				331	337	341	343	347	349	353	359

fam23 sq root prime and non-prime.xlsx   **1643-c**

Factors of 1643 are 1, 31, 53, 1643

	*fam7	*fam11	*fam13	*fam17	*fam19	*fam23	*fam29
	29 and +30	13 and +30	11 and + 30	19 and + 30	17 and + 30	1 and + 30	7 and + 30
	L6 and +7	L4 and + 11	L4 and + 13	L10 and + 1	L10 and +19	L0 and + 23	L6 and + 29

1643

SUB-RIGHT LEVEL	ps	start	int(sq root)	level 23	*fam1	*fam7	*fam11	*fam13	*fam17	*fam19	*fam23	*fam29
	1643	23	40.53	54	1	7	11	13	17	19	23	29
	1643				4.96375	4.87537	4.81818	4.79009	4.73487	4.70774	4.65439	4.57660
	1643											
12	1643				361	367	371	373	377	379	383	389
	1643				4.55125	4.47684	4.42857	4.40483	4.35809	4.33509	4.28982	4.22365
	1643											
13	1643				391	397	401	403	407	409	413	419
	1643				4.20205	4.13854	4.09726	4.07692	4.03686	4.01711	3.97821	3.92124
	1643											
14	1643				421	427	431	433	437	439	443	449
	1643				3.90261	3.84778	3.81206	3.79446	3.75973	3.74260	3.70880	3.65924
	1643											
15	1643				451	457	461	463	467	469	473	479
	1643				3.64302	3.59519	3.56399	3.54860	3.51820	3.50320	3.47357	3.43006
	1643											
16	1643				481	487	491	493	497	499	503	509
	1643				3.41580	3.37372	3.34623	3.33266	3.30584	3.29259	3.26640	3.22790
	1643											
17	1643				511	517	521	523	527	529	533	539
	1643				3.21526	3.17795	3.15355	3.14149	3.11765	3.10586	3.08255	3.04824
	1643											
18	1643				541	547	551	553	557	559	563	569
	1643				3.03697	3.00366	2.98185	2.97107	2.94973	2.93918	2.91829	2.88752
	1643											
19	1643				571	577	581	583	587	589	593	599
	1643				2.87741	2.84749	2.82788	2.81818	2.79898	2.78947	2.77066	2.74290
	1643											
20	1643				601	607	611	613	617	619	623	629
	1643				2.73378	2.70675	2.68903	2.68026	2.66288	2.65428	2.63724	2.61208
	1643											
21	1643				631	637	641	643	647	649	653	659
	1643				2.60380	2.57928	2.56318	2.55521	2.53941	2.53159	2.51608	2.49317
	1643											
22	1643				661	667	671	673	677	679	683	689

Factors of 1643 are 1, 31, 53, 1643

	*fam7	*fam11	*fam13	*fam17	*fam19	*fam23	*fam29
	29 and +30	13 and +30	11 and + 30	19 and + 30	17 and + 30	1 and + 30	7 and + 30
	L6 and +7	L4 and + 11	L4 and + 13	L10 and + 1	L10 and +19	L0 and + 23	L6 and + 29

1643

SUB-RIGHT	ps	start	int(sq root)	level 23	*fam1	*fam7	*fam11	*fam13	*fam17	*fam19	*fam23	*fam29
LEVEL	1643	23	40.53	54	1	7	11	13	17	19	23	29
	1643				2.48563	2.46327	2.44858	2.44131	2.42688	2.41973	2.40556	2.38462
	1643											
23	1643				691	697	701	703	707	709	713	719
	1643				2.37771	2.35725	2.34379	2.33713	2.32390	2.31735	2.30435	2.28512
	1643											
24	1643				721	727	731	733	737	739	743	749
	1643				2.27878	2.25997	2.24761	2.24147	2.22931	2.22327	2.21131	2.19359
	1643											
25	1643				751	757	761	763	767	769	773	779
	1643				2.18775	2.17041	2.15900	2.15334	2.14211	2.13654	2.12549	2.10911
	1643											
26	1643				781	787	791	793	797	799	803	809
	1643				2.10371	2.08767	2.07712	2.07188	2.06148	2.05632	2.04608	2.03090
	1643											
27	1643				811	817	821	823	827	829	833	839
	1643				2.02589	2.01102	2.00122	1.99635	1.98670	1.98191	1.97239	1.95828
	1643											
28	1643				841	847	851	853	857	859	863	869
	1643				1.95363	1.93979	1.93067	1.92614	1.91715	1.91269	1.90382	1.89068
	1643											
29	1643				871	877	881	883	887	889	893	899
	1643				1.88634	1.87343	1.86493	1.86070	1.85231	1.84814	1.83987	1.82759
	1643											
30	1643				901	907	911	913	917	919	923	929
	1643				1.82353	1.81147	1.80351	1.79956	1.79171	1.78781	1.78007	1.76857
	1643											
31	1643				931	937	941	943	947	949	953	959
	1643				1.76477	1.75347	1.74601	1.74231	1.73495	1.73130	1.72403	1.71324
	1643											
32	1643				961	967	971	973	977	979	983	989
	1643				1.70968	1.69907	1.69207	1.68859	1.68168	1.67824	1.67141	1.66127
	1643											
33	1643				991	997	1001	1003	1007	1009	1013	1019

Factors of 1643 are 1, 31, 53, 1643

	*fam7	*fam11	*fam13	*fam17	*fam19	*fam23	*fam29
	29 and +30	13 and +30	11 and + 30	19 and + 30	17 and + 30	1 and + 30	7 and + 30
	L6 and +7	L4 and + 11	L4 and + 13	L10 and + 1	L10 and +19	L0 and + 23	L6 and + 29

1643

SUB-RIGHT LEVEL	ps	start	int(sq root)	level 23	*fam1	*fam7	*fam11	*fam13	*fam17	*fam19	*fam23	*fam29
	1643	23	40.53	54	1	7	11	13	17	19	23	29
	1643				1.65792	1.64794	1.64136	1.63809	1.63158	1.62834	1.62192	1.61237
	1643											
34	1643				1021	1027	1031	1033	1037	1039	1043	1049
	1643				1.60921	1.59981	1.59360	1.59051	1.58438	1.58133	1.57526	1.56625
	1643											
35	1643				1051	1057	1061	1063	1067	1069	1073	1079
	1643				1.56327	1.55440	1.54854	1.54563	1.53983	1.53695	1.53122	1.52271
	1643											
36	1643				1081	1087	1091	1093	1097	1099	1103	1109
	1643				1.51989	1.51150	1.50596	1.50320	1.49772	1.49500	1.48957	1.48151
	1643											
37	1643				1111	1117	1121	1123	1127	1129	1133	1139
	1643				1.47885	1.47090	1.46566	1.46305	1.45785	1.45527	1.45013	1.44249
	1643											
38	1643				1141	1147	1151	1153	1157	1159	1163	1169
	1643				1.43996	1.43243	1.42745	1.42498	1.42005	1.41760	1.41273	1.40547
	1643											
39	1643				1171	1177	1181	1183	1187	1189	1193	1199
	1643				1.40307	1.39592	1.39119	1.38884	1.38416	1.38183	1.37720	1.37031
	1643											
40	1643				1201	1207	1211	1213	1217	1219	1223	1229
	1643				1.36803	1.36123	1.35673	1.35449	1.35004	1.34783	1.34342	1.33686
	1643											
41	1643				1231	1237	1241	1243	1247	1249	1253	1259
	1643				1.33469	1.32821	1.32393	1.32180	1.31756	1.31545	1.31125	1.30500
	1643											
42	1643				1261	1267	1271	1273	1277	1279	1283	1289
	1643				1.30293	1.29676	1.29268	1.29065	1.28661	1.28460	1.28059	1.27463
	1643											
43	1643				1291	1297	1301	1303	1307	1309	1313	1319
	1643				1.27266	1.26677	1.26287	1.26094	1.25708	1.25516	1.25133	1.24564
	1643											
44	1643				1321	1327	1331	1333	1337	1339	1343	1349

Factors of 1643 are 1, 31, 53, 1643

					*fam7	*fam11	*fam13	*fam17	*fam19	*fam23	*fam29
					29 and +30	13 and +30	11 and + 30	19 and + 30	17 and + 30	1 and + 30	7 and + 30
					L6 and +7	L4 and + 11	L4 and + 13	L10 and + 1	L10 and +19	L0 and + 23	L6 and + 29

1643

SUB-RIGHT	ps	start	int(sq root)	level 23	*fam1	*fam7	*fam11	*fam13	*fam17	*fam19	*fam23	*fam29
LEVEL		1643	23	40.53	54	1	7	11	13	17	19	23	29
		1643				1.24375	1.23813	1.23441	1.23256	1.22887	1.22704	1.22338	1.21794
		1643											
	45	1643				1351	1357	1361	1363	1367	1369	1373	1379
		1643				1.21614	1.21076	1.20720	1.20543	1.20190	1.20015	1.19665	1.19144
		1643											
	46	1643				1381	1387	1391	1393	1397	1399	1403	1409
		1643				1.18972	1.18457	1.18116	1.17947	1.17609	1.17441	1.17106	1.16608
		1643											
	47	1643				1411	1417	1421	1423	1427	1429	1433	1439
		1643				1.16442	1.15949	1.15623	1.15460	1.15137	1.14976	1.14655	1.14177
		1643											
	48	1643				1441	1447	1451	1453	1457	1459	1463	1469
		1643				1.14018	1.13545	1.13232	1.13076	1.12766	1.12611	1.12303	1.11845
		1643											
	49	1643				1471	1477	1481	1483	1487	1489	1493	1499
		1643				1.11693	1.11239	1.10939	1.10789	1.10491	1.10343	1.10047	1.09606
		1643											
	50	1643				1501	1507	1511	1513	1517	1519	1523	1529
		1643				1.09460	1.09025	1.08736	1.08592	1.08306	1.08163	1.07879	1.07456
		1643											
	51	1643				1531	1537	1541	1543	1547	1549	1553	1559
		1643				1.07315	1.06897	1.06619	1.06481	1.06206	1.06068	1.05795	1.05388
		1643											
	52	1643				1561	1567	1571	1573	1577	1579	1583	1589
		1643				1.05253	1.04850	1.04583	1.04450	1.04185	1.04053	1.03790	1.03398
		1643											
	53	1643				1591	1597	1601	1603	1607	1609	1613	1619
		1643				1.03268	1.02880	1.02623	1.02495	1.02240	1.02113	1.01860	1.01482
		1643											
	54	1643				1621	1627	1631	1633	1637	1639	1643	
		1643				1.01357	1.00983	1.00736	1.00612	1.00367	1.00244	1.00000	