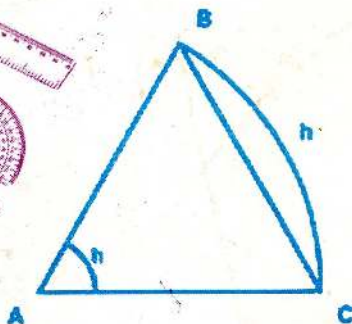
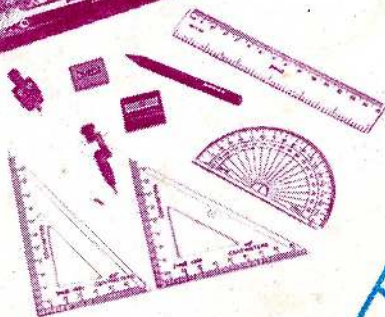
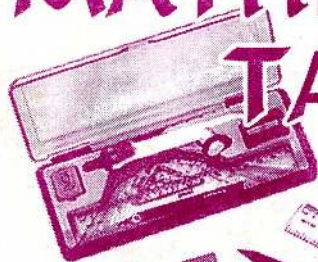


கணித வாய்ப்பாடுகள்



MATHEMATICAL TABLES



மடக்கைகள் LOGARITHMS

	0 1 2 3 4 5 6 7 8 9									கிடைக்கப்பட்டிருக்கின்ற Mean Differences									
	1	2	3	4	5	6	7	8	9	1	2	3	4	5	6	7	8	9	
10	0000	0043	0086	0128	0170	0212	0253	0294	0334	0374	4	8	12	17	21	25	29	33	37
11	0414	0453	0492	0531	0569	0607	0645	0682	0719	0755	4	8	11	15	19	23	26	30	34
12	0792	0828	0864	0899	0934	0969	1004	1038	1072	1106	3	7	10	14	17	21	24	28	31
13	1139	1173	1206	1239	1271	1303	1335	1367	1399	1430	3	6	10	13	16	19	23	26	29
14	1461	1492	1523	1553	1584	1614	1644	1673	1703	1732	3	6	9	12	15	18	21	24	27
15	1761	1790	1818	1847	1875	1903	1931	1959	1987	2014	3	6	8	11	14	17	20	22	25
16	2041	2068	2095	2122	2148	2175	2201	2227	2253	2279	3	5	8	11	13	16	18	21	24
17	2304	2330	2355	2380	2405	2430	2455	2480	2504	2529	2	5	7	10	12	15	17	20	22
18	2553	2577	2601	2625	2648	2672	2695	2718	2742	2765	2	5	7	9	12	14	16	19	21
19	2788	2810	2833	2856	2878	2900	2923	2945	2967	2989	2	4	7	9	11	13	16	18	20
20	3070	3092	3114	3135	3156	3177	3198	3218	3238	3258	2	4	6	8	11	13	15	17	19
21	3222	3243	3263	3283	3304	3324	3345	3365	3385	3404	2	4	6	8	10	12	14	16	18
22	3424	3444	3464	3483	3502	3522	3541	3560	3579	3598	2	4	6	8	10	12	14	15	17
23	3617	3636	3655	3674	3692	3711	3729	3747	3766	3784	2	4	6	7	9	11	13	15	17
24	3802	3820	3838	3856	3874	3892	3909	3927	3945	3962	2	4	5	7	9	11	12	14	16
25	3979	3997	4014	4031	4048	4065	4082	4099	4116	4133	2	3	5	7	9	10	12	14	15
26	4150	4166	4183	4200	4216	4232	4249	4265	4281	4298	2	3	5	7	8	10	11	13	15
27	4314	4330	4346	4362	4378	4393	4409	4425	4440	4456	2	3	5	6	8	9	11	13	14
28	4472	4487	4502	4518	4533	4548	4564	4579	4594	4609	2	3	5	6	8	9	11	12	14
29	4624	4639	4654	4669	4683	4698	4713	4728	4742	4757	1	3	4	6	7	9	10	12	13
30	4771	4786	4800	4814	4829	4843	4857	4871	4886	4900	1	3	4	6	7	9	10	11	13
31	4914	4928	4942	4955	4969	4983	4997	5011	5024	5038	1	3	4	6	7	8	10	11	12
32	5051	5065	5079	5092	5105	5119	5132	5145	5159	5172	1	3	4	5	7	8	9	11	11
33	5185	5198	5211	5224	5237	5250	5263	5276	5289	5302	1	3	4	5	6	8	9	10	11
34	5315	5328	5340	5353	5366	5378	5391	5403	5416	5428	1	3	4	5	6	8	9	10	11
35	5441	5453	5465	5478	5490	5502	5514	5527	5539	5551	1	2	4	5	6	7	9	10	11
36	5563	5575	5587	5599	5611	5623	5635	5647	5658	5670	1	2	4	5	6	7	8	10	11
37	5682	5694	5705	5717	5729	5740	5752	5763	5775	5786	1	2	3	5	6	7	8	9	10
38	5798	5809	5821	5833	5844	5855	5866	5877	5888	5899	1	2	3	5	6	7	8	9	10
39	5911	5922	5933	5944	5955	5966	5977	5988	5999	6010	1	2	3	4	5	7	8	9	10
40	6021	6031	6042	6053	6064	6075	6085	6096	6107	6117	1	2	3	4	5	6	8	9	10
41	6128	6138	6149	6160	6170	6180	6191	6201	6212	6222	1	2	3	4	5	6	7	8	9
42	6232	6243	6253	6263	6274	6284	6294	6304	6314	6325	1	2	3	4	5	6	7	8	9
43	6335	6345	6355	6365	6375	6385	6395	6405	6415	6425	1	2	3	4	5	6	7	8	9
44	6435	6444	6454	6464	6474	6484	6493	6503	6513	6522	1	2	3	4	5	6	7	8	9
45	6532	6542	6551	6561	6571	6580	6590	6600	6609	6618	1	2	3	4	5	6	7	8	9
46	6628	6637	6646	6656	6665	6675	6684	6693	6702	6712	1	2	3	4	5	6	7	7	8
47	6721	6730	6739	6749	6758	6767	6776	6785	6794	6803	1	2	3	4	5	5	6	7	8
48	6812	6821	6830	6839	6848	6857	6866	6875	6884	6893	1	2	3	4	4	5	6	7	8
49	6902	6911	6920	6928	6937	6946	6955	6964	6972	6981	1	2	3	4	4	5	6	7	8
50	6990	6999	7007	7016	7024	7033	7042	7050	7059	7067	1	2	3	3	4	5	6	7	8
51	7076	7084	7093	7101	7110	7118	7126	7135	7143	7152	1	2	3	3	4	5	6	7	8
52	7160	7168	7177	7185	7193	7202	7210	7218	7226	7235	1	2	3	3	4	5	6	7	7
53	7243	7251	7259	7267	7275	7284	7292	7300	7308	7316	1	2	2	3	4	5	6	6	7
54	7324	7332	7340	7348	7356	7364	7372	7380	7388	7396	1	2	2	3	4	5	6	6	7
	0	1	2	3	4	5	6	7	8	9	1	2	3	4	5	6	7	8	9

இலக்கங்கள் LOGARITHMS

	0 1 2 3 4					5 6 7 8 9					இலக்கவாரியங்கள் Mean Differences										
	0	1	2	3	4	5	6	7	8	9	1	2	3	4	5	6	7	8	9		
55	7404	7412	7419	7427	7435	7443	7451	7459	7466	7474	1	2	2	3	4	5	5	6	7		
56	7482	7490	7497	7505	7513	7520	7528	7536	7543	7551	1	2	2	3	4	5	5	6	7		
57	7559	7566	7574	7582	7589	7597	7604	7612	7619	7627	1	2	2	3	4	5	5	6	7		
58	7634	7642	7649	7657	7664	7672	7679	7686	7694	7701	1	1	2	3	4	4	5	6	7		
59	7709	7716	7723	7731	7738	7745	7752	7760	7767	7774	1	1	2	3	4	4	5	6	7		
60	7782	7789	7796	7803	7810	7818	7825	7832	7839	7846	1	1	2	3	4	4	5	6	6		
61	7853	7860	7868	7875	7882	7889	7896	7903	7910	7917	1	1	2	3	4	4	5	6	6		
62	7924	7931	7938	7945	7952	7959	7966	7973	7980	7987	1	1	2	3	3	4	5	6	6		
63	7993	8000	8007	8014	8021	8028	8035	8041	8048	8055	1	1	2	3	3	4	5	5	6		
64	8062	8069	8075	8082	8089	8096	8102	8109	8116	8122	1	1	2	3	3	4	5	5	6		
65	8129	8136	8142	8149	8156	8162	8169	8176	8182	8189	1	1	2	3	3	4	5	5	6		
66	8195	8202	8209	8215	8222	8228	8235	8241	8248	8254	1	1	2	3	3	4	5	5	6		
67	8261	8267	8274	8280	8287	8293	8299	8306	8312	8317	1	1	2	3	3	4	5	5	6		
68	8325	8331	8338	8344	8351	8357	8363	8370	8376	8382	1	1	2	3	3	4	4	5	6		
69	8388	8395	8401	8407	8414	8420	8426	8432	8439	8445	1	1	2	3	3	4	4	5	6		
70	8451	8457	8463	8470	8476	8482	8488	8494	8500	8506	1	1	2	3	3	4	4	5	6		
71	8513	8519	8525	8531	8537	8543	8549	8555	8561	8567	1	1	2	3	3	4	4	5	5		
72	8573	8579	8585	8591	8597	8603	8609	8615	8621	8627	1	1	2	3	3	4	4	5	5		
73	8633	8639	8645	8651	8657	8663	8669	8675	8681	8686	1	1	2	3	3	4	4	5	5		
74	8692	8698	8704	8710	8716	8722	8727	8733	8739	8745	1	1	2	2	3	4	4	5	5		
75	8751	8756	8762	8768	8774	8779	8785	8791	8797	8802	1	1	2	3	3	3	4	5	5		
76	8808	8814	8820	8825	8831	8837	8842	8848	8854	8859	1	1	2	3	3	3	4	5	5		
77	8865	8871	8876	8882	8887	8893	8899	8904	8910	8915	1	1	2	3	3	3	4	4	5		
78	8921	8927	8932	8938	8943	8949	8954	8960	8965	8971	1	1	2	3	3	3	4	4	5		
79	8976	8982	8987	8993	8998	9004	9009	9015	9020	9025	1	1	2	3	3	3	4	4	5		
80	9031	9036	9042	9047	9053	9058	9063	9069	9074	9079	1	1	2	2	3	3	3	4	4	5	
81	9085	9090	9096	9101	9106	9112	9117	9122	9128	9133	1	1	2	2	3	3	3	4	4	5	
82	9138	9143	9149	9154	9159	9165	9170	9175	9180	9186	1	1	2	2	2	3	3	3	4	4	5
83	9191	9196	9201	9206	9212	9217	9222	9227	9232	9238	1	1	2	2	2	3	3	3	4	4	5
84	9243	9248	9253	9258	9263	9269	9274	9279	9284	9289	1	1	2	2	2	3	3	3	4	4	5
85	9294	9299	9304	9309	9315	9320	9325	9330	9335	9340	1	1	2	2	2	3	3	3	4	4	5
86	9345	9350	9355	9360	9365	9370	9375	9380	9385	9390	1	1	2	2	2	3	3	3	4	4	5
87	9395	9400	9405	9410	9415	9420	9425	9430	9435	9440	0	1	1	2	2	2	3	3	3	4	4
88	9445	9450	9455	9460	9465	9469	9474	9479	9484	9489	0	1	1	2	2	2	3	3	3	4	4
89	9494	9499	9504	9509	9513	9518	9523	9528	9533	9538	0	1	1	2	2	2	3	3	3	4	4
90	9542	9547	9552	9557	9562	9566	9571	9576	9581	9586	0	1	1	2	2	2	3	3	3	4	4
91	9590	9595	9600	9605	9609	9614	9619	9624	9628	9633	0	1	1	2	2	2	3	3	3	4	4
92	9638	9643	9647	9652	9657	9661	9666	9671	9675	9680	0	1	1	2	2	2	3	3	3	4	4
93	9685	9689	9694	9699	9703	9708	9713	9717	9722	9727	0	1	1	2	2	2	3	3	3	4	4
94	9731	9736	9741	9745	9750	9754	9759	9763	9768	9773	0	1	1	2	2	2	3	3	3	4	4
95	9777	9782	9786	9791	9795	9800	9805	9809	9814	9818	0	1	1	2	2	2	3	3	3	4	4
96	9823	9827	9832	9836	9841	9845	9850	9854	9859	9863	0	1	1	2	2	2	3	3	3	4	4
97	9868	9872	9877	9881	9886	9890	9894	9899	9903	9908	0	1	1	2	2	2	3	3	3	4	4
98	9912	9917	9921	9926	9930	9934	9939	9943	9948	9952	0	1	1	2	2	2	3	3	3	4	4
99	9956	9961	9965	9969	9974	9978	9983	9987	9991	9996	0	1	1	2	2	2	3	3	3	4	4
	0	1	2	3	4	5	6	7	8	9	1	2	3	4	5	6	7	8	9		

இயற்கைச் சைன்கள் NATURAL SINES

	0° 10° 20° 30° 40° 50° 60°							கிடை வந்தபின்மையான Mean Differences									
	1'	2'	3'	4'	5'	6'	7'	8'	9'	1'	2'	3'	4'	5'	6'	7'	8'
0°	0.0000	0.0029	0.0058	0.0087	0.0116	0.0145	0.0175	89°	3	6	9	12	15	17	20	23	26
1	.0175	.0204	.0233	.0262	.0291	.0320	.0349	88	3	6	9	12	15	17	20	23	26
2	.0349	.0378	.0407	.0436	.0465	.0494	.0523	87	3	6	9	12	15	17	20	23	26
3	.0523	.0552	.0581	.0610	.0640	.0669	.0698	86	3	6	9	12	15	17	20	23	26
4	.0698	.0727	.0756	.0785	.0814	.0843	.0872	85	3	6	9	12	15	17	20	23	26
5	0.0872	0.0901	0.0929	0.0958	0.0987	0.1016	0.1045	84	3	6	9	12	14	17	20	23	26
6	.1045	.1074	.1103	.1132	.1161	.1190	.1219	83	3	6	9	12	14	17	20	23	26
7	.1219	.1248	.1276	.1305	.1334	.1363	.1392	82	3	6	9	12	14	17	20	23	26
8	.1392	.1421	.1449	.1478	.1507	.1536	.1564	81	3	6	9	11	14	17	20	23	26
9	.1564	.1593	.1622	.1650	.1679	.1708	.1736	80°	3	6	9	11	14	17	20	23	26
10°	0.1736	0.1765	0.1794	0.1822	0.1851	0.1880	0.1908	79	3	6	9	11	14	17	20	23	26
11	.1908	.1937	.1965	.1994	.2022	.2051	.2079	78	3	6	9	11	14	17	20	23	26
12	.2079	.2108	.2136	.2164	.2193	.2221	.2250	77	3	6	9	11	14	17	20	23	26
13	.2250	.2278	.2306	.2334	.2363	.2391	.2419	76	3	6	8	11	14	17	20	23	26
14	.2419	.2447	.2476	.2504	.2532	.2560	.2588	75	3	6	8	11	14	17	20	23	25
15	0.2588	0.2616	0.2644	0.2672	0.2700	0.2728	0.2756	74	3	6	8	11	14	17	20	22	25
16	.2756	.2784	.2812	.2840	.2868	.2896	.2924	73	3	6	8	11	14	17	20	22	25
17	.2924	.2952	.2979	.3007	.3035	.3062	.3090	72	3	6	8	11	14	17	19	22	25
18	.3090	.3118	.3145	.3173	.3201	.3228	.3256	71	3	6	8	11	14	17	19	22	25
19	.3256	.3283	.3311	.3338	.3365	.3393	.3420	70°	3	5	8	11	14	16	19	22	25
20°	0.3420	0.3448	0.3475	0.3502	0.3529	0.3557	0.3584	69	3	5	8	11	14	16	19	22	25
21	.3584	.3611	.3638	.3665	.3692	.3719	.3746	68	3	5	8	11	14	16	19	22	24
22	.3746	.3773	.3800	.3827	.3854	.3881	.3907	67	3	5	8	11	13	16	19	21	24
23	.3907	.3934	.3961	.3987	.4014	.4041	.4067	66	3	5	8	11	13	16	19	21	24
24	.4067	.4094	.4120	.4147	.4173	.4200	.4226	65	3	5	8	11	13	16	19	21	24
25	0.4226	0.4253	0.4279	0.4305	0.4331	0.4358	0.4384	64	3	5	8	10	13	16	18	21	24
26	.4384	.4410	.4436	.4462	.4488	.4514	.4540	63	3	5	8	10	13	16	18	21	23
27	.4540	.4566	.4592	.4617	.4643	.4669	.4695	62	3	5	8	10	13	15	18	21	23
28	.4695	.4720	.4746	.4772	.4797	.4823	.4848	61	3	5	8	10	13	15	18	20	23
29	.4848	.4874	.4899	.4924	.4950	.4975	.5000	60°	3	5	8	10	13	15	18	20	23
30°	0.5000	0.5025	0.5050	0.5075	0.5100	0.5125	0.5150	59	3	5	8	10	13	15	18	20	23
31	.5150	.5175	.5200	.5225	.5250	.5275	.5299	58	2	5	7	10	12	15	17	20	22
32	.5299	.5324	.5348	.5373	.5398	.5422	.5446	57	2	5	7	10	12	15	17	20	22
33	.5446	.5471	.5495	.5519	.5544	.5568	.5592	56	2	5	7	10	12	15	17	19	22
34	.5592	.5616	.5640	.5664	.5688	.5712	.5736	55	2	5	7	10	12	14	17	19	22
35	0.5736	0.5760	0.5783	0.5807	0.5831	0.5854	0.5878	54	2	5	7	9	12	14	17	19	21
36	.5878	.5901	.5925	.5948	.5972	.5995	.6018	53	2	5	7	9	12	14	16	19	21
37	.6018	.6041	.6065	.6088	.6111	.6134	.6157	52	2	5	7	9	12	14	16	18	21
38	.6157	.6180	.6202	.6225	.6248	.6271	.6293	51	2	5	7	9	11	14	16	18	20
39	.6293	.6316	.6338	.6361	.6383	.6406	.6428	50°	2	4	7	9	11	13	16	18	20
40°	0.6428	0.6450	0.6472	0.6494	0.6517	0.6539	0.6561	49	2	4	7	9	11	13	15	18	20
41	.6561	.6583	.6604	.6626	.6648	.6670	.6691	48	2	4	7	9	11	13	15	17	20
42	.6691	.6713	.6734	.6756	.6777	.6799	.6820	47	2	4	6	9	11	13	15	17	19
43	.6820	.6841	.6862	.6883	.6905	.6926	.6947	46	2	4	6	8	11	13	15	17	19
44	.6947	.6967	.6988	.7009	.7030	.7050	.7071	45	2	4	6	8	10	12	15	17	19
	60°	50°	40°	30°	20°	10°	0°		1'	2'	3'	4'	5'	6'	7'	8'	9'

இயற்கைச் சைன்கள் NATURAL COSINES

இயற்கைச் சைன்கள் NATURAL SINES

								Mean Differences									
	0°	10°	20°	30°	40°	50°	60°	1'	2'	3'	4'	5'	6'	7'	8'	9'	
45°	0.7071	0.7092	0.7112	0.7133	0.7153	0.7173	0.7193	44"	2	4	6	8	10	12	14	16	18
46	7193	7214	7234	7254	7274	7294	7314	43	2	4	6	8	10	12	14	16	18
47	7314	7333	7353	7373	7392	7412	7431	42	2	4	6	8	10	12	14	16	18
48	7431	7451	7470	7490	7509	7528	7547	41	2	4	6	8	9	12	13	15	17
49	7547	7566	7585	7604	7623	7642	7660	40	2	4	6	8	9	11	13	15	17
50°	0.7660	0.7679	0.7698	0.7716	0.7735	0.7753	0.7771	39	2	4	6	7	9	11	13	15	17
51	7771	7790	7806	7826	7844	7862	7880	38	2	4	5	7	9	11	13	14	16
52	7880	7896	7916	7934	7951	7969	7986	37	2	4	5	7	9	11	12	14	16
53	7986	8004	8021	8039	8056	8073	8090	36	2	3	5	7	9	10	12	14	16
54	8090	8107	8124	8141	8158	8175	8192	35	2	3	5	7	8	10	12	14	15
55	0.8192	0.8208	0.8225	0.8241	0.8258	0.8274	0.8290	34	2	3	5	7	8	10	12	13	15
56	8290	8307	8323	8339	8355	8371	8387	33	2	3	5	6	8	10	11	13	14
57	8387	8403	8418	8434	8450	8465	8480	32	2	3	5	6	8	9	11	13	14
58	8480	8496	8511	8526	8542	8557	8572	31	2	3	5	6	8	9	11	12	14
59	8572	8587	8601	8616	8631	8646	8660	30"	1	3	4	6	7	9	10	12	13
60°	0.8660	0.8675	0.8689	0.8704	0.8718	0.8732	0.8746	29	1	3	4	6	7	9	10	11	13
61	8746	8760	8774	8788	8802	8816	8829	28	1	3	4	6	7	8	10	11	12
62	8829	8843	8857	8870	8884	8897	8910	27	1	3	4	5	7	8	9	11	12
63	8910	8923	8936	8949	8962	8975	8988	26	1	3	4	5	6	8	9	10	12
64	8988	9001	9013	9026	9038	9051	9063	25	1	3	4	5	6	8	9	10	11
65	0.9063	0.9075	0.9088	0.9100	0.9112	0.9124	0.9135	24	1	2	4	5	6	7	8	10	11
66	9135	9147	9159	9171	9182	9194	9205	23	1	2	3	5	6	7	8	9	10
67	9205	9216	9228	9239	9250	9261	9272	22	1	2	3	4	6	7	8	9	10
68	9272	9283	9293	9304	9315	9325	9336	21	1	2	3	4	5	6	7	9	10
69	9336	9346	9356	9367	9377	9387	9397	20"	1	2	3	4	5	6	7	8	9
70°	0.9397	0.9407	0.9417	0.9426	0.9436	0.9446	0.9455	19	1	2	3	4	5	6	7	8	9
71	9455	9465	9474	9483	9492	9502	9511	18	1	2	3	4	5	6	6	7	8
72	9511	9520	9528	9537	9546	9555	9563	17	1	2	3	4	4	5	6	7	8
73	9563	9572	9580	9588	9596	9605	9613	16	1	2	2	3	4	5	6	7	7
74	9613	9621	9628	9636	9644	9652	9659	15	1	2	2	3	4	5	5	6	7
75	0.9659	0.9667	0.9674	0.9681	0.9689	0.9696	0.9703	14	1	1	2	3	4	4	5	6	7
76	9703	9710	9717	9724	9730	9737	9744	13	1	1	2	3	3	4	5	5	6
77	9744	9750	9757	9763	9769	9775	9781	12	1	1	2	3	3	4	4	5	6
78	9781	9787	9793	9799	9805	9811	9816	11	1	1	2	2	3	3	4	5	5
79	9816	9822	9827	9833	9838	9843	9848	10"	1	1	2	2	3	3	4	4	5
80°	0.9848	0.9853	0.9858	0.9863	0.9868	0.9872	0.9877	9	0	1	1	2	2	3	3	4	4
81	9877	9881	9886	9890	9894	9899	9903	8	0	1	1	2	2	3	3	4	4
82	9903	9907	9911	9914	9918	9922	9925	7	0	1	1	2	2	2	3	3	3
83	9925	9929	9932	9936	9939	9942	9945	6	0	1	1	1	2	2	2	3	3
84	9945	9948	9951	9954	9957	9959	9962	5	0	1	1	1	1	2	2	2	3
85	0.9962	0.9964	0.9967	0.9969	0.9971	0.9974	0.9976	4	0	1	1	1	1	1	2	2	2
86	9976	9978	9980	9981	9983	9985	9986	3	0	0	1	1	1	1	1	1	2
87	9986	9988	9989	9990	9992	9993	9994	2	0	0	0	1	1	1	1	1	1
88	9994	9995	9996	9997	9997	9998	9998	1									
89	0.9998	0.9999	0.9999	1.0000	1.0000	1.0000	1.0000	0"									

இயற்கைச் சைன்கள் NATURAL COSINES

	கியற்கைத் தாள்கள்கள்						கோதாள்கள்கள்										
	0'	10'	20'	30'	40'	50'	60'	Mean Differences									
	0'	10'	20'	30'	40'	50'	60'	1'	2'	3'	4'	5'	6'	7'	8'	9'	
0°	0.0000	0.0029	0.0058	0.0087	0.0116	0.0145	0.0175	89°	3	6	9	12	15	17	20	23	26
1	.0175	.0204	.0233	.0262	.0291	.0320	.0349	88	3	6	9	12	15	17	20	23	26
2	.0349	.0378	.0407	.0437	.0466	.0495	.0524	87	3	6	9	12	15	18	20	23	26
3	.0524	.0553	.0582	.0612	.0641	.0670	.0699	86	3	6	9	12	15	18	20	23	26
4	.0699	.0729	.0758	.0787	.0816	.0846	.0875	85	3	6	9	12	15	18	21	23	26
5	0.0875	0.0904	0.0934	0.0963	0.0992	0.1022	0.1051	84	3	6	9	12	15	18	21	24	26
6	.1051	.1080	.1110	.1139	.1169	.1198	.1228	83	3	6	9	12	15	18	21	24	27
7	.1228	.1257	.1287	.1317	.1346	.1376	.1405	82	3	6	9	12	15	18	21	24	27
8	.1405	.1435	.1465	.1495	.1524	.1554	.1584	81	3	6	9	12	15	18	21	24	27
9	.1584	.1614	.1644	.1673	.1703	.1733	.1763	80°	3	6	9	12	15	18	21	24	27
10°	0.1763	0.1793	0.1823	0.1853	0.1883	0.1914	0.1944	79	3	6	9	12	15	18	21	24	27
11	.1944	.1974	.2004	.2033	.2065	.2095	.2128	78	3	6	9	12	15	18	21	24	27
12	.2128	.2156	.2186	.2217	.2247	.2278	.2309	77	3	6	9	12	15	18	21	24	27
13	.2309	.2339	.2370	.2401	.2432	.2462	.2493	76	3	6	9	12	15	18	22	25	28
14	.2493	.2524	.2555	.2586	.2617	.2648	.2679	75	3	6	9	12	16	19	22	25	28
15	0.2679	0.2711	0.2742	0.2773	0.2805	0.2836	0.2867	74	3	6	9	13	16	19	22	25	28
16	.2867	.2899	.2931	.2962	.2994	.3026	.3057	73	3	6	9	13	16	19	22	25	28
17	.3057	.3089	.3121	.3153	.3185	.3217	.3249	72	3	6	10	13	16	19	22	26	29
18	.3249	.3281	.3314	.3346	.3378	.3411	.3443	71	3	6	10	13	16	19	23	26	29
19	.3443	.3476	.3508	.3541	.3574	.3607	.3640	70°	3	7	10	13	16	20	23	26	29
20°	0.3640	0.3673	0.3706	0.3739	0.3772	0.3808	0.3839	69	3	7	10	13	17	20	23	27	30
21	.3839	.3872	.3906	.3939	.3973	.4006	.4040	68	3	7	10	13	17	20	24	27	30
22	.4040	.4074	.4108	.4142	.4176	.4210	.4245	67	3	7	10	14	17	20	24	27	31
23	.4245	.4279	.4314	.4348	.4383	.4417	.4452	66	3	7	10	14	17	21	24	28	31
24	.4452	.4487	.4522	.4557	.4592	.4628	.4663	65	4	7	11	14	18	21	25	28	32
25	0.4663	0.4699	0.4734	0.4770	0.4806	0.4841	0.4887	64	4	7	11	14	18	21	25	29	32
26	.4877	.4913	.4950	.4986	.5022	.5059	.5095	63	4	7	11	15	18	22	25	29	33
27	.5095	.5132	.5169	.5206	.5243	.5280	.5317	62	4	7	11	15	18	22	26	30	33
28	.5317	.5354	.5392	.5430	.5467	.5505	.5543	61	4	8	11	15	19	23	26	30	34
29	.5543	.5581	.5619	.5658	.5696	.5735	.5774	60°	4	8	12	15	19	23	27	31	35
30°	0.5774	0.5812	0.5851	0.5890	0.5930	0.5969	0.6009	59	4	8	12	16	20	24	27	31	35
31	.6009	.6048	.6088	.6128	.6168	.6208	.6249	58	4	8	12	16	20	24	28	32	36
32	.6249	.6289	.6330	.6371	.6412	.6453	.6494	57	4	8	12	16	20	25	29	33	37
33	.6494	.6536	.6577	.6619	.6661	.6703	.6754	56	4	8	13	17	21	25	29	33	38
34	.6745	.6787	.6830	.6873	.6916	.6959	.7002	55	4	9	13	17	21	26	30	34	39
35	0.7002	0.7046	0.7089	0.7133	0.7177	0.7221	0.7265	54	4	9	13	18	22	26	31	35	40
36	.7265	.7310	.7355	.7400	.7445	.7490	.7536	53	5	9	14	18	23	27	32	36	41
37	.7536	.7581	.7627	.7673	.7720	.7766	.7813	52	5	9	14	19	23	28	32	37	42
38	.7813	.7860	.7907	.7954	.8002	.8050	.8098	51	5	10	14	19	24	29	33	38	43
39	.8098	.8146	.8195	.8243	.8292	.8342	.8391	50°	5	10	15	20	24	29	34	39	44
40°	0.8391	0.8441	0.8491	0.8441	0.8591	0.8642	0.8693	49	5	10	15	20	25	30	35	40	45
41	.8693	.8744	.8796	.8847	.8899	.8952	.9004	48	5	10	16	21	26	31	36	41	47
42	.9004	.9057	.9110	.9163	.9217	.9271	.9325	47	5	11	16	21	27	32	37	43	48
43	.9325	.9380	.9435	.9490	.9545	.9601	.9657	46	6	11	17	22	28	33	39	44	50
44	.9657	.9713	.9770	.9827	.9884	.9942	1.0000	45	6	11	17	23	29	34	40	46	51
	60'	50'	40'	30'	20'	10'	0'		1'	2'	3'	4'	5'	6'	7'	8'	9'

	இயற்கைக் கோடுகள்								இடை வித்தியாசங்கள் Mean Differences								
	0'	10'	20'	30'	40'	50'	60'		1'	2'	3'	4'	5'	6'	7'	8'	9'
45°	1.0000	1.0058	1.0117	1.0176	1.0235	1.0295	1.0355	44°	6	12	18	24	30	36	41	47	53
46	.0355	.0416	.0477	.0538	.0599	.0661	.0724	43	6	12	18	25	31	37	43	49	55
47	.0734	.0788	.0850	.0913	.0977	1.041	1.108	47	6	13	19	26	32	38	45	51	57
48	.1106	.1171	.1237	.1303	.1369	.1436	.1504	41	7	13	20	27	33	40	46	53	60
49	.1504	.1571	.1640	.1708	.1778	.1847	.1918	40°	7	14	21	28	34	41	48	55	62
50°	1.1918	1.1988	1.2059	1.2131	1.2203	1.2276	1.2349	39	7	14	22	29	36	43	50	58	65
51	.2349	.2423	.2497	.2572	.2647	.2723	.2799	38	8	15	23	30	38	45	53	60	68
52	.2799	.2876	.2954	.3032	.3111	.3190	.3270	37	8	16	24	31	39	47	55	63	71
53	.3270	.3351	.3432	.3514	.3597	.3680	.3764	36	8	16	25	33	41	49	58	66	74
54	.3764	.3848	.3934	.4019	.4106	.4193	.4261	35°	9	17	26	35	43	52	60	69	78
55	1.4281	1.4370	1.4460	1.4550	1.4841	1.4733	1.4828	34	9	18	27	36	45	54	63	73	82
56	.4826	.4919	.5013	.5108	.5204	.5301	.5399	33	10	19	29	38	48	57	67	76	86
57	.5399	.5497	.5597	.5697	.5796	.5900	.6003	32	10	20	30	40	50	60	71	81	91
58	.6003	.6107	.6212	.6319	.6426	.6534	.6643	31	11	21	32	43	53	64	75	85	96
59	.6643	.6753	.6864	.6977	.7090	.7205	.7321	30°	11	23	34	45	56	68	79	90	102
60°	1.732	1.744	1.756	1.767	1.780	1.792	1.804	29	1	2	4	5	6	7	8	10	11
61	1.804	1.816	1.829	1.842	1.855	1.868	1.881	28	1	3	4	5	6	8	9	10	12
62	1.881	1.894	1.907	1.921	1.935	1.949	1.963	27	1	3	4	5	7	8	10	11	12
63	1.963	1.977	1.991	2.006	2.020	2.035	2.050	26	1	3	4	6	7	9	10	12	13
64	2.050	2.066	2.061	2.097	2.112	2.126	2.145	25°	2	3	5	6	8	9	11	13	14
65	2.145	2.161	2.177	2.194	2.211	2.229	2.246	24	2	3	5	7	8	10	12	14	15
66	2.246	2.264	2.282	2.300	2.316	2.337	2.356	23	2	4	5	7	9	11	13	15	16
67	2.358	2.375	2.394	2.414	2.434	2.455	2.475	22	2	4	6	8	10	12	14	16	18
68	2.475	2.496	2.517	2.539	2.560	2.583	2.605	21	2	4	6	9	11	13	15	17	20
69	2.605	2.628	2.651	2.675	2.699	2.723	2.747	20°	2	5	7	9	12	14	17	19	21
70°	2.747	2.773	2.796	2.824	2.850	2.877	2.904	19	3	5	8	10	13	16	18	21	23
71	2.904	2.932	2.960	2.989	3.013	3.047	3.078	18	3	6	9	12	14	17	20	23	26
72	3.078	3.108	3.140	3.172	3.204	3.237	3.271	17	3	6	10	13	16	19	23	26	29
73	3.271	3.305	3.340	3.376	3.412	3.450	3.487	16	4	7	11	14	18	22	25	29	32
74	3.487	3.526	3.566	3.606	3.647	3.689	3.732	15	4	8	12	16	20	24	29	33	37
75	3.732	3.766	3.821	3.867	3.914	3.962	4.011	14	5	9	14	19	23	28	33	37	42
76	4.011	4.061	4.113	4.165	4.219	4.275	4.331	13	5	11	16	21	27	32	37	43	48
77	4.331	4.360	4.449	4.511	4.474	4.638	4.705	12	6	12	19	25	31	37	44	50	56
78	4.705	4.773	4.843	4.915	4.989	5.066	5.145	11	7	15	22	29	37	44	51	59	66
79	5.145	5.226	5.309	5.396	5.485	5.576	5.671	10°	9	18	26	35	44	53	61	70	79
80°	5.671	5.769	5.871	5.976	6.064	6.197	6.314	9									
81	6.314	6.435	6.561	6.691	6.827	6.968	7.115	8									
82	7.115	7.269	7.429	7.596	7.770	7.953	8.114	7									
83	8.114	8.345	8.556	8.777	9.010	9.255	9.514	6									
84	9.514	9.788	10.078	10.385	10.712	11.059	11.430	5									
85	11.43	11.83	12.25	12.71	13.20	13.73	14.30	4									
86	14.30	14.92	15.60	16.35	17.17	18.07	19.06	3									
87	19.06	20.21	21.47	22.90	24.54	26.43	28.64	2									
88	28.64	31.24	34.37	38.19	42.96	49.10	52.29	1									
89	52.29	68.75	85.94	114.59	171.89	343.77		0°									
	60'	50'	40'	30'	20'	10'	0'		1'	2'	3'	4'	5'	6'	7'	8'	9'

வித்தியாசங்கள் விரைந்து மாறுவன
Differences change rapidly

மேல் பகுதி **LOGARITHMIC SINES**

மேல் பகுதி LOGARITHMIC SINES							கீழ் பகுதி Mean Differences										
	0'	10'	20'	30'	40'	50'	60'		1'	2'	3'	4'	5'	6'	7'	8'	9'
0°	.00	7.4637	7.7648	7.9408	8.0658	8.1627	8.2419	89	கீழ் பகுதி Mean Differences Differences change rapidly								
1	8.2419	8.3068	8.3668	8.4179	8.4637	8.5050	8.5428	88									
2	8.5428	8.5776	8.6097	8.6397	8.6677	8.6940	8.7188	87									
3	8.7188	8.7423	8.7645	8.7857	8.8059	8.8251	8.8436	86									
4	8.8436	8.8613	8.8783	8.8946	8.9104	8.9256	8.9403	85	கீழ் பகுதி Mean Differences Differences change rapidly								
5	8.9403	8.9545	8.9682	8.9816	8.9945	9.0070	9.0192	84									
6	9.0192	9.0311	9.0426	9.0539	9.0648	9.0755	9.0859	83									
7	9.0859	9.0961	9.1060	9.1157	9.1252	9.1345	9.1436	82									
8	9.1436	9.1525	9.1612	9.1697	9.1781	9.1863	9.1943	81									
9	9.1943	9.2022	9.2100	9.2176	9.2251	9.2324	9.2397	80°									
10°	9.2397	9.2468	9.2538	9.2606	9.2674	9.2740	9.2806	79									
11	2806	2870	2934	2997	3058	3119	3179	78									
12	3179	3238	3296	3353	3410	3466	3521	77									
13	3521	3575	3629	3682	3734	3786	3837	76									
14	3837	3887	3937	3986	4035	4083	4130	75									
15	9.4130	9.4177	9.4223	9.4269	9.4314	9.4359	9.4403	74									
16	4403	4447	4491	4533	4576	4618	4659	73									
17	4659	4700	4741	4781	4821	4861	4900	72									
18	4900	4939	4977	5015	5052	5090	5126	71									
19	5126	5163	5199	5235	5270	5306	5341	70°									
20°	9.5341	9.5375	9.5409	9.5443	9.5477	9.5510	9.5543	69									
21	5543	5578	5609	5641	5673	5704	5736	68									
22	5736	5767	5798	5828	5859	5889	5919	67									
23	5919	5948	5978	6007	6036	6065	6093	66									
24	6093	6121	6149	6177	6205	6232	6259	65									
25	9.6259	9.6286	9.6313	9.6340	9.6366	9.6392	9.6418	64									
26	6418	6444	6470	6495	6521	6546	6570	63									
27	6570	6595	6620	6644	6668	6692	6716	62									
28	6716	6740	6763	6787	6810	6833	6856	61									
29	6856	6878	6901	6923	6946	6968	6990	60°									
30°	9.6990	9.7012	9.7033	9.7055	9.7076	9.7097	9.7118	59									
31	7118	7139	7160	7181	7201	7222	7242	58									
32	7242	7262	7282	7302	7322	7342	7361	57									
33	7361	7380	7400	7419	7438	7457	7476	56									
34	7476	7494	7513	7531	7550	7568	7586	55									
35	9.7586	9.7604	9.7622	9.7640	9.7657	9.7675	9.7692	54									
36	7692	7710	7727	7744	7761	7778	7795	53									
37	7795	7811	7828	7844	7861	7877	7893	52									
38	7893	7910	7926	7941	7957	7973	7989	51									
39	7989	8004	8020	8035	8050	8066	8081	50°									
40°	9.8081	9.8096	9.8111	9.8125	9.8140	9.8155	9.8169	49									
41	8169	8184	8198	8213	8227	8241	8255	48									
42	8255	8269	8283	8297	8311	8324	8338	47									
43	8338	8351	8365	8378	8391	8405	8418	46									
44	8418	8431	8444	8457	8469	8482	8495	45									
	60'	50'	40'	30'	20'	10'	0'		1'	2'	3'	4'	5'	6'	7'	8'	9'

மேல் பகுதி **LOGARITHMIC COSINES**

மடக்கைச் சைன்கள் LOGARITHMIC SINES

								கிடை வித்தியாசங்கள் Mean Differences									
								1'	2'	3'	4'	5'	6'	7'	8'	9'	
0'	10'	20'	30'	40'	50'	60'											
45°	9.8495	9.8507	9.8520	9.8532	9.8545	9.8557	9.8569	44°	1	2	4	5	6	7	9	10	11
46	8569	8582	8594	8605	8618	8629	8641	43	1	2	4	5	6	7	8	10	11
47	8641	8653	8665	8676	8688	8699	8711	42	1	2	3	5	6	7	8	9	10
48	8711	8722	8733	8745	8756	8767	8778	41	1	2	3	4	6	7	8	9	10
49	8778	8789	8800	8810	8821	8832	8843	40°	1	2	3	4	5	6	8	9	10
50°	9.8843	9.8853	9.8864	9.8874	9.8884	9.8895	9.8905	39	1	2	3	4	5	6	7	8	9
51	8905	8915	8925	8935	8945	8955	8965	38	1	2	3	4	5	6	7	8	9
52	8965	8975	8985	8995	9004	9014	9023	37	1	2	3	4	5	6	7	8	9
53	9023	9033	9042	9052	9061	9070	9080	36	1	2	3	4	5	6	7	7	8
54	9080	9089	9098	9107	9116	9125	9134	35	1	2	3	4	5	5	6	7	8
55	9.9134	9.9142	9.9151	9.9160	9.9169	9.9177	9.9186	34	1	2	3	3	4	5	6	7	8
56	9186	9194	9203	9211	9219	9228	9236	33	1	2	3	3	4	5	6	7	8
57	9236	9244	9252	9260	9268	9276	9284	32	1	2	2	3	4	5	6	6	7
58	9284	9292	9300	9308	9315	9323	9331	31	1	2	2	3	4	5	5	6	7
59	9331	9338	9346	9353	9361	9368	9375	30°	1	1	2	3	4	4	5	6	7
60°	9.9375	9.9383	9.9390	9.9397	9.9404	9.9411	9.9418	29	1	1	2	3	4	4	5	6	6
61	9418	9425	9432	9439	9446	9453	9456	28	1	1	2	3	3	4	5	5	6
62	9459	9466	9473	9479	9486	9492	9499	27	1	1	2	3	4	4	5	5	6
63	9499	9505	9512	9518	9524	9530	9537	26	1	1	2	3	3	4	4	5	6
64	9537	9543	9549	9555	9561	9567	9573	25	1	1	2	2	3	4	4	5	5
65	9.9573	9.9579	9.9584	9.9590	9.9596	9.9602	9.9607	24	1	1	2	2	3	3	4	5	5
66	9607	9613	9618	9624	9629	9635	9640	23	1	1	2	2	3	3	4	4	5
67	9640	9646	9651	9656	9661	9667	9672	22	1	1	2	2	3	3	4	4	5
68	9672	9677	9682	9687	9692	9697	9702	21	0	1	1	2	2	3	3	4	4
69	9702	9706	9711	9716	9721	9725	9730	20°	0	1	1	2	2	3	3	4	4
70°	9.9730	9.9734	9.9739	9.9741	9.9748	9.9752	9.9757	19	0	1	1	2	2	3	3	4	4
71	9757	9761	9765	9770	9774	9778	9782	18	0	1	1	2	2	3	3	3	4
72	9782	9786	9790	9794	9798	9802	9806	17	0	1	1	2	2	2	3	3	4
73	9806	9810	9814	9817	9821	9825	9828	16	0	1	1	1	2	2	3	3	3
74	9828	9832	9836	9839	9843	9846	9849	15	0	1	1	1	2	2	2	3	3
75	9.9849	9.9853	9.9856	9.9859	9.9863	9.9866	9.9869	14	0	1	1	1	2	2	2	3	3
76	9869	9872	9875	9878	9881	9884	9887	13	0	1	1	1	2	2	2	3	3
77	9887	9890	9893	9896	9899	9901	9904	12	0	1	1	1	1	2	2	2	3
78	9904	9907	9909	9912	9914	9917	9919	11	0	1	1	1	1	2	2	2	2
79	9919	9922	9924	9927	9929	9931	9934	10°	0	1	1	1	1	1	2	2	2
80°	9.9934	9.9936	9.9938	9.9940	9.9942	9.9944	9.9946	9	0	0	1	1	1	1	2	2	2
81	9946	9948	9950	9952	9954	9956	9958	8	0	0	1	1	1	1	1	2	2
82	9958	9959	9961	9963	9964	9966	9968	7	0	0	1	1	1	1	1	1	2
83	9968	9969	9971	9972	9973	9975	9976	6	0	0	0	1	1	1	1	1	1
84	9976	9977	9979	9980	9981	9982	9983	5	0	0	0	1	1	1	1	1	1
85	9.9981	9.9985	9.9986	9.9987	9.9988	9.9989	9.9989	4									
86	9989	9990	9991	9992	9993	9993	9994	3									
87	9994	9995	9995	9996	9996	9997	9997	2									
88	9997	9998	9998	9999	9999	9999	9999	1									
89	9.9999	10.0000	10.0000	10.0000	10.0000	10.0000	10.0000	0									
	60'	50'	40'	30'	20'	10'	0'		1'	2'	3'	4'	5'	6'	7'	8'	9'

மடக்கைக் கோசைன்கள் LOGARITHMIC COSINES

மடக்கைத் தாள்கள்

LOGARITHMIC

TANGENTS

	மடக்கைத் தாள்கள்						கிடை. வித்தியாசங்கள் Mean Differences										
	0°	10°	20°	30°	40°	50°	60°	1'	2'	3'	4'	5'	6'	7'	8'	9'	
0°	.00	7.4637	7.7648	7.9409	8.0658	8.1627	8.2419	89°									
1	8.2419	8.3089	8.3669	8.4181	8.4638	8.5053	8.5431	88	வித்தியாசங்கள் விவரமும் மாறுபாடு Differences change rapidly								
2	8.5431	8.5779	8.6101	8.6401	8.6682	8.6945	8.7194	87									
3	8.7194	8.7429	8.7652	8.7865	8.8067	8.8251	8.8446	86									
4	8.8446	8.8624	8.8795	8.8960	8.9118	8.9272	8.9420	85									
5	8.9420	8.9563	8.9701	8.9836	9.0095	9.0093	9.0216	84									
6	9.0216	9.0336	9.0453	9.0567	9.0678	9.0786	9.0891	83									
7	9.0691	9.0995	9.1096	9.1194	9.1291	9.1385	9.1478	82	10	20	29	39	49	59	69	78	88
8	9.1478	9.1569	9.1658	9.1745	9.1831	9.1915	9.1997	81	9	17	26	35	43	52	61	69	78
9	9.1997	9.2078	9.2158	9.2236	9.2313	9.2389	9.2463	80°	8	16	23	31	39	47	54	62	70
10°	9.2463	9.2536	9.2609	9.2680	9.2750	9.2819	9.2887	79	7	14	21	28	35	42	49	57	64
11	.2887	.2953	.3020	.3085	.3149	.3212	.3275	78	6	13	19	26	32	39	45	52	58
12	.3275	.3336	.3397	.3458	.3517	.3576	.3634	77	6	12	18	24	30	36	42	48	54
13	.3634	.3691	.3748	.3804	.3859	.3914	.3968	76	6	11	17	22	28	33	39	45	50
14	.3968	.4021	.4074	.4127	.4178	.4230	.4281	75	5	10	16	21	26	31	37	42	47
15	9.4281	9.4331	9.4381	9.4430	9.4479	9.4527	9.4575	74	5	10	15	20	25	30	34	39	44
16	4.575	4.6222	4.6699	4.716	4.762	4.808	4.853	73	5	9	14	19	23	28	33	37	42
17	4.853	4.898	4.943	4.987	5.031	5.075	5.118	72	4	9	13	18	22	26	31	35	40
18	5.118	5.161	5.203	5.245	5.287	5.329	5.370	71	1	8	13	17	21	25	29	34	38
19	5.370	5.411	5.451	5.491	5.531	5.571	5.611	70°	4	8	12	16	20	24	28	32	36
20	9.5611	9.5650	9.5689	9.5727	9.5766	9.5804	9.5842	69	4	8	12	15	19	23	27	31	35
21	.5842	.5879	.5917	.5954	.5991	.6028	.6064	68	4	7	11	15	19	22	26	30	33
22	6.064	6.100	6.136	6.172	6.208	6.243	6.279	67	4	7	11	14	18	21	25	29	32
23	6.279	6.314	6.348	6.383	6.417	6.452	6.486	66	3	7	10	14	17	21	24	28	31
24	6.486	6.520	6.555	6.587	6.620	6.654	6.687	65	3	7	10	13	17	20	23	27	30
25	9.6687	9.6720	9.6752	9.6785	9.6817	9.6850	9.6882	64	3	7	10	13	16	20	23	26	29
26	6.882	6.914	6.946	6.977	7.009	7.040	7.072	63	3	6	9	13	16	19	22	25	28
27	7.072	7.103	7.134	7.165	7.196	7.226	7.257	62	3	6	9	12	15	19	22	25	28
28	7.257	7.287	7.317	7.348	7.378	7.408	7.438	61	3	6	9	12	15	18	21	24	27
29	7.438	7.467	7.497	7.526	7.556	7.585	7.614	60°	3	6	9	12	15	18	21	24	27
30°	9.7614	9.7644	9.7673	9.7701	9.7730	9.7759	9.7788	59	3	6	9	12	14	17	20	23	26
31	7.788	7.816	7.845	7.873	7.902	7.930	7.958	58	3	6	9	11	14	17	20	23	26
32	7.958	7.986	8.014	8.042	8.070	8.097	8.125	57	3	6	8	11	14	17	20	23	25
33	8.125	8.153	8.180	8.208	8.235	8.263	8.290	56	3	5	8	11	14	16	19	22	25
34	8.290	8.317	8.344	8.371	8.398	8.425	8.452	55	3	5	8	11	14	16	19	22	24
35°	9.8452	9.8479	9.8506	9.8533	9.8559	9.8586	9.8613	54	3	5	8	11	13	16	19	21	24
36	8.613	8.639	8.666	8.692	8.718	8.745	8.771	53	3	5	8	11	13	16	19	21	24
37	8.771	8.797	8.824	8.850	8.876	8.902	8.926	52	3	5	8	10	13	16	18	21	24
38	8.928	8.954	8.980	9.006	9.032	9.058	9.084	51	3	5	8	10	13	16	18	21	23
39	9.084	9.110	9.135	9.161	9.187	9.212	9.238	50°	3	5	8	10	13	15	18	21	23
40°	9.9238	9.9264	9.9289	9.9315	9.9341	9.9366	9.9392	49	3	5	8	10	13	15	18	20	23
41	9.9392	9.9417	9.9443	9.9468	9.9494	9.9519	9.9544	48	3	5	8	10	13	15	18	20	23
42	9.9544	9.9570	9.9595	9.9621	9.9646	9.9671	9.9697	47	3	5	8	10	13	15	18	20	23
43	9.9697	9.9722	9.9747	9.9773	9.9798	9.9823	9.9848	46	3	5	8	10	13	15	18	20	23
44	9.9848	9.9874	9.9899	9.9924	9.9949	9.9975	10.0000	45	3	5	8	10	13	15	18	20	23
	60°	50°	40°	30°	20°	10°	0°		1'	2'	3'	4'	5'	6'	7'	8'	9'

மடக்கைத் கோதாள்கள் LOGARITHMIC COTANGENTS

மடக்கைச் தூள்சன்கள் LOGARITHMIC TANGENTS

		மடக்கைச் தூள்சன்கள்						மேல் வித்தியாசங்கள் Mean Differences									
		0°	10°	20°	30°	40°	50°	60°									
								1'	2'	3'	4'	5'	6'	7'	8'	9'	
45°	10.0000	10.0025	10.0051	10.0076	10.0101	10.0126	10.0152	44°	3	5	8	10	13	15	18	20	23
46	.0152	.0777	.0262	.0228	.0253	.0278	.0303	43	3	5	8	10	13	15	18	20	23
47	.0303	.0329	.0354	.0379	.0405	.0430	.0456	47	3	5	8	10	13	15	18	20	23
48	.0456	.0481	.0506	.0532	.0557	.0583	.0608	41	3	5	8	10	13	15	18	20	23
49	.0608	.0634	.0659	.0685	.0711	.0736	.0762	40°	3	5	8	10	13	15	18	20	23
50°	10.0762	10.0788	10.0813	10.0839	10.0865	10.0890	10.0916	39	3	5	8	10	13	15	18	21	23
51	.0916	.0942	.0968	.0994	.1020	.1046	.1072	38	3	5	8	10	13	16	18	21	23
52	.1072	.1096	.1124	.1150	.1176	.1203	.1229	37	3	5	8	10	13	16	18	21	24
53	.1229	.1255	.1282	.1308	.1334	.1361	.1387	36	3	5	8	11	13	16	19	21	24
54	.1387	.1414	.1441	.1467	.1494	.1521	.1548	35	3	5	8	11	13	16	19	21	24
55	10.1548	10.1575	10.1602	10.1629	10.1656	10.1683	10.1710	34	3	5	8	11	14	16	19	22	24
56	.1710	.1737	.1765	.1792	.1820	.1847	.1875	33	3	5	8	11	14	16	19	22	25
57	.1875	.1903	.1930	.1958	.1986	.2014	.2042	32	3	6	8	11	14	17	20	22	25
58	.2042	.2070	.2098	.2127	.2155	.2184	.2212	31	3	6	9	11	14	17	20	23	26
59	.2212	.2241	.2270	.2299	.2327	.2356	.2386	30°	3	6	9	12	14	17	20	23	26
60°	10.2386	10.2415	10.2444	10.2474	10.2503	10.2533	10.2562	29	3	6	9	12	15	18	21	24	27
61	.2562	.2592	.2622	.2652	.2683	.2713	.2743	28	3	6	9	12	15	18	21	24	27
62	.2743	.2774	.2804	.2835	.2866	.2897	.2928	27	3	6	9	12	15	19	22	25	28
63	.2928	.2960	.2991	.3023	.3054	.3086	.3118	26	3	6	9	13	16	19	22	25	28
64	.3118	.3150	.3182	.3215	.3248	.3280	.3313	25	3	7	10	13	16	20	23	26	29
65	10.3313	10.3346	10.3380	10.3413	10.3447	10.3480	10.3514	24	3	7	10	13	17	20	23	27	30
66	.3514	.3548	.3583	.3617	.3652	.3688	.3721	23	3	7	10	14	17	21	24	28	31
67	.3721	.3757	.3792	.3828	.3864	.3900	.3936	22	4	7	11	14	18	21	25	29	32
68	.3936	.3972	.4009	.4046	.4083	.4121	.4158	21	4	7	11	15	19	22	26	30	33
69	.4158	.4196	.4234	.4273	.4311	.4350	.4389	20°	4	8	12	15	19	23	27	31	35
70°	10.4389	10.4429	10.4469	10.4509	10.4549	10.4589	10.4630	19	4	8	12	16	20	24	28	32	36
71	.4630	.4671	.4713	.4755	.4797	.4839	.4882	18	4	8	13	17	21	25	29	34	38
72	.4882	.4925	.4966	.5013	.5057	.5102	.5147	17	4	9	13	18	22	26	31	35	40
73	.5147	.5192	.5238	.5284	.5331	.5378	.5425	16	5	9	14	19	23	28	33	37	42
74	.5425	.5473	.5521	.5570	.5619	.5669	.5719	15	5	10	15	20	25	30	34	39	44
75	10.5719	10.5770	10.5822	10.5873	10.5926	10.5979	10.6032	14	5	10	16	21	26	31	37	42	47
76	.6032	.6086	.6141	.6196	.6252	.6309	.6366	13	6	11	17	22	28	33	39	45	50
77	.6366	.6424	.6483	.6542	.6603	.6664	.6725	12	6	12	18	24	30	36	42	48	54
78	.6725	.6788	.6851	.6915	.6980	.7047	.7113	11	6	13	19	26	32	39	45	52	58
79	.7113	.7181	.7250	.7320	.7391	.7464	.7537	10°	7	14	21	28	35	42	49	57	64
80°	10.7537	10.7611	10.7687	10.7764	10.7842	10.7922	10.8003	9	8	16	23	31	39	47	54	62	70
81	.8003	.8085	.8169	.8255	.8342	.8431	.8522	8	9	17	26	35	43	52	61	69	78
82	.8522	.8615	.8709	.8806	.8904	.9005	.9109	7	10	20	29	39	49	59	69	78	88
83	.9109	.9214	.9322	.9433	.9547	.9664	.9784	6									
84	10.9784	10.9907	11.0034	11.0164	11.0299	11.0437	11.0580	5									
85	11.0580	11.0728	11.0882	11.1040	11.1205	11.1376	11.1554	4									
86	11.1554	11.1739	11.1933	11.2135	11.2348	11.2571	11.2806	3									
87	11.2806	11.3055	11.3318	11.3599	11.3899	11.4221	11.4569	2									
88	11.4569	11.4947	11.5362	11.5819	11.6331	11.6911	11.7581	1									
89	11.7581	11.8373	11.9342	12.0591	12.2352	12.5363		0°									
	60°	50°	40°	30°	20°	10°	0°										
									1'	2'	3'	4'	5'	6'	7'	8'	9'

வித்தியாசங்கள் விரைந்து மாறுவன
Differences change rapidly

மடக்கைச் கோதூள்சன்கள் LOGARITHMIC COTANGENTS

					27	12	16
23	30			24	8	7	9
16	9	7		17			
17	8	9	15	29	8	9	5
35	6	8	5	9	7	12	
	7	6	1	7	8	2	6
			16	4	6	1	3
11	10						
21	8	9	3	1		5	1
6	3	1	2			3	2
							1



ஆசீர் வணிக நிலையம்
 இல. 202A, கே.கே.எஸ். வீதி,
 யாழ்ப்பாணம்.