

2-2 支持桁の不等沈下による床版の曲げモーメント(補足資料)

床版を支持する桁の不等沈下の影響

(建設省土木研究所1338号)

建設省土木研究所1338号資料より抜粋

N : 支持桁本数 3, 4, 5本の3種類
 L : 支持桁支間長 6, 8, 10, 12mの4種類
 H : 支持桁間隔 1.0, 1.5, 2.0, 2.5, 3.0mの5種類
 I_0 : 内桁の断面二次モーメント

内桁の曲げ剛性を表わす方法として、基準となる内桁の断面二次モーメント I_m を定め、これと実際の内桁の断面二次モーメントの比 I_0/I_m を用いる。 I_0/I_m については0.7, 1.0, 2.0, 4.0, 6.0, 10.0, 50.0の7種類。

I_1/I_0 : 内桁と外桁の曲げ剛性の比

内桁と外桁の曲げ剛性の比 I_1/I_0 は 1, 2, 4, 6, 10, 100の6種類。 I_1/I_0 が100を超える場合は100の場合の値を用いる。

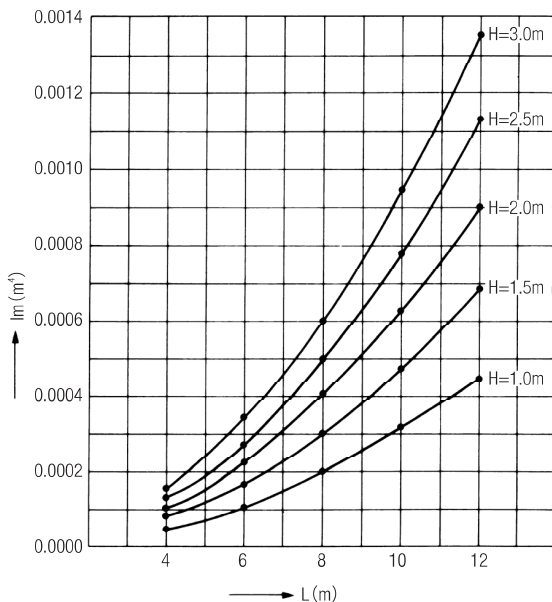
T : 床版厚(道示)に規定する連続版の最少厚(3ℓ+11)cmの場合と、これに5cmを足した厚さの場合との2種類。

L/2 : 着目点、橋軸方向については支持桁の支間中央。

注) 荷重分配横桁を設けていない場合

内桁の基準断面二次モーメント I_m 単位: m^4

H \ L	6 m	8 m	10 m	12 m
1.0 m	0.00011	0.00020	0.00032	0.00045
1.5 m	0.00017	0.00030	0.00047	0.00068
2.0 m	0.00023	0.00040	0.00063	0.00090
2.5 m	0.00028	0.00050	0.00078	0.00113
3.0 m	0.00034	0.00060	0.00094	0.00135



支持桁の不等沈下による床版主鉄筋方向の曲げモーメントの求め方

1) 支持桁の位置における付加曲げモーメント

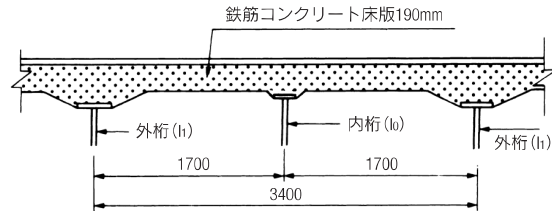
これらの表では、モデルの支間中央(L/2)の支持桁の位置での単位幅(1 m)当りの曲げモーメントを $[t \cdot m]$ 単位で示してある。一般に計算用パラメータの値は表に示す値と異なるため、各々のパラメータについて補間(内そうまた外そう)を行って不等沈下による床版の付加曲げモーメントを計算する。

次に表を用いて支持桁の位置における曲げモーメントを求める例を示す。

a) 計算モデルのパラメータの値

支持桁本数: $N = 3$

モデルの支持桁支間長(対傾構間隔の2倍):



$L = 11.6m$

支持桁間隔: $H = 1.70m$

床版厚: $T = 0.19m$

内桁の断面二次モーメント: $I_0 = 0.005075m^4$

外桁の断面二次モーメント: $I_1 = 0.015210m^4$

b) 表の使い方

表は内桁、外桁それぞれの断面二次モーメント毎に作られておらず、内桁の断面二次モーメントと図および表に示す基準断面二次モーメントとの比 I_0/I_m 、外桁の断面二次モーメントと内桁の断面二次モーメントとの比 I_1/I_0 によってそれぞれ表示している。図または表より、支持桁の基本断面二次モーメント I_m は $0.000721m^4$ となる。

したがって $I_0/I_m = 7.04$, $I_1/I_0 = 3.00$

等の値が得られる。これらの二つのパラメータと、a)に示すN, L, H, Tの四つのパラメータ、合計六つのパラメータが与えられると不等沈下による曲げモーメントを表から求めることができる。表に示す値の中間の値については各パラメータ毎に補間(内そうまたは外そう)によって曲げモーメントを算出する。

互い独立なパラメータ間の補間計算の順序は計算結果に影響を与えないためどのような順序でもよい。ただし床版厚さTは床版支間Hの関数である最小床版厚と、それに5cmを足した値について計算されているため、床版厚の補間を床版支間の補間よりも先に行う必要がある。

補間計算の例（支持桁の位置における不等沈下による床版の曲げモーメント） $N = 3$

H=1.5m

T	0.16								0.21									
l_0/l_m	6.0				10.0				6.0				10.0					
L	10.0		12.0		10.0		12.0		10.0		12.0		10.0		12.0			
l_1/l_0	2.0	4.0	2.0	4.0	2.0	4.0	2.0	4.0	2.0	4.0	2.0	4.0	2.0	4.0	2.0	4.0		
m_2	0.6288	0.8638	0.5841	0.8062	0.5451	0.7423	0.5202	0.7132	0.7427	1.0276	0.6750	0.9353	0.6734	0.9284	0.6187	0.8559		
m_2 の 補 間	$l_1/l_0=3.0$		0.7463		0.6952		0.6437		0.6167		0.8852		0.8052		0.8009		0.7373	
	$L=11.6$		0.7054				0.6221				0.8212				0.7500			
	$l_0/l_m=7.04$		0.6837								0.8027							
	$T=0.19$		0.7551															

H=2.0m

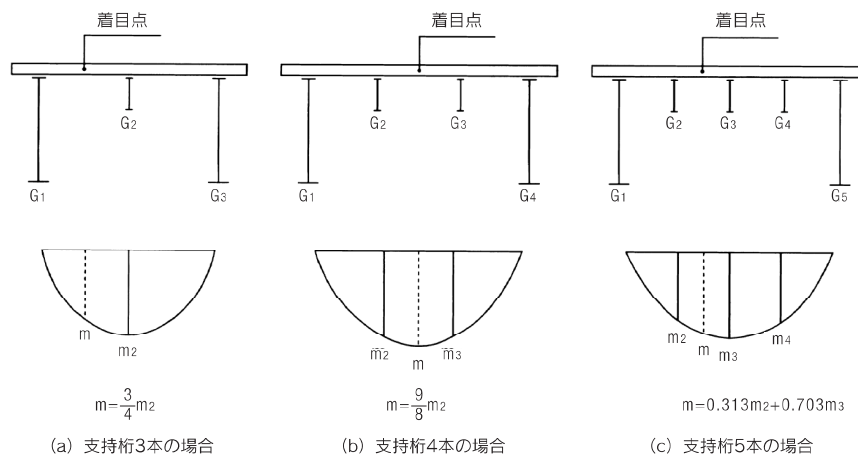
T	0.17								0.22									
l_0/l_m	6.0				10.0				6.0				10.0					
L	10.0		12.0		10.0		12.0		10.0		12.0		10.0		12.0			
l_1/l_0	2.0	4.0	2.0	4.0	2.0	4.0	2.0	4.0	2.0	4.0	2.0	4.0	2.0	4.0	2.0	4.0		
m_2	1.0252	1.2200	1.0153	1.2188	0.8034	0.9440	0.8315	0.9863	1.3328	1.6114	1.2532	1.5238	1.1357	1.3596	1.1024	1.3300		
m_2 の 補 間	$l_1/l_0=3.0$		1.1226		1.1171		0.8737		0.9089		1.4721		1.3885		1.2477		1.2162	
	$L=11.6$		1.1182				0.9019				1.4052				1.2225			
	$l_0/l_m=7.04$		1.0620								1.3577							
	$T=0.19$		1.1803															

Hの補間

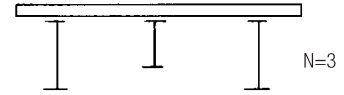
H	1.5	2.0
m^2	0.7551	1.1803
H=1.70	0.9252	

2) 床版支間中央における曲げモーメント

床版支間中央における曲げモーメントは1)で述べた支持桁の位置における曲げモーメントを用いて以下の方法によって求める。



曲げモーメント数表



I_{min}

I_0/I_m	I_1/I_0	1.0					2.0					4.0				
		L	H	1.0	1.5	2.0	2.5	3.0	1.0	1.5	2.0	2.5	3.0	1.0	1.5	2.0
0.7	6.0	0	0.4700	1.3752	2.0640	2.6698	0	1.1719	2.0798	3.0829	4.0630	0.0748	1.6130	2.5195	4.0359	4.8862
	8.0	0	0.4253	1.2815	1.9758	2.7091	0	1.0637	1.9562	2.9954	4.2119	0.0652	1.4669	2.3845	3.9587	5.1319
	10.0	0	0.3787	1.1518	1.8064	2.5475	0	0.9484	1.7650	2.7594	4.0101	0.0571	1.3089	2.1573	3.6653	4.9245
	12.0	0	0.3434	1.0453	1.6415	2.3496	0	0.8598	1.6026	2.5149	3.7237	0.0520	1.1865	1.9599	3.3478	4.5937
1.0	6.0	0	0.4331	1.2557	1.8416	2.2902	0	1.0807	1.8865	2.7202	3.4352	0.0676	1.4882	2.2757	3.5377	4.0969
	8.0	0	0.3944	1.1937	1.8183	2.4267	0	0.9885	1.8172	2.7366	3.7290	0.0596	1.3653	2.2110	3.6009	4.5118
	10.0	0	0.3521	1.0821	1.6895	2.3414	0	0.8840	1.6573	2.5699	3.6534	0.0523	1.2224	2.0247	3.4046	4.4625
	12.0	0	0.3191	0.9836	1.5457	2.1911	0	0.8008	1.5093	2.3633	3.4516	0.0477	1.1071	1.8468	3.1420	4.2418
2.0	6.0	0	0.3691	1.0057	1.3784	1.5656	0	0.9163	1.4797	1.9818	2.2811	0.0563	1.2566	1.7616	2.5358	2.6758
	8.0	0	0.3440	1.0166	1.4748	1.8247	0	0.8627	1.5277	2.1724	2.7267	0.0504	1.1908	1.8425	2.8199	3.2446
	10.0	0	0.3100	0.9500	1.4385	1.8786	0	0.7807	1.4442	2.1539	2.8619	0.0445	1.0808	1.7546	2.8242	3.4442
	12.0	0	0.2807	0.8748	1.3513	1.8355	0	0.7076	1.3382	2.0440	2.8362	0.0407	0.9804	1.6328	2.6974	3.4429
4.0	6.0	0	0.3038	0.7351	0.9265	1.0082	0	0.7421	1.0515	1.2942	1.4358	0.0479	1.0067	1.2311	1.6293	1.6634
	8.0	0	0.2971	0.8118	1.0893	1.2289	0	0.7387	1.1918	1.5592	1.7836	0.0434	1.0134	1.4166	1.9899	2.0876
	10.0	0	0.2739	0.7991	1.1374	1.3625	0	0.6874	1.1932	1.6605	2.0150	0.0386	0.9486	1.4330	2.1437	2.3834
	12.0	0	0.2499	0.7591	1.1178	1.4106	0	0.6298	1.1467	1.6557	2.1202	0.0351	0.8717	1.3872	2.1561	2.5314
6.0	6.0	0	0.2622	0.5817	0.6990	0.6954	0	0.6314	0.8181	0.9622	0.9776	0.0437	0.8491	0.9488	1.2016	1.1250
	8.0	0	0.2675	0.6807	0.8665	0.9277	0	0.6582	0.9827	1.2190	1.3265	0.0400	0.8970	1.1565	1.5407	1.5402
	10.0	0	0.2522	0.6968	0.9454	1.0712	0	0.6288	1.0252	1.3565	1.5575	0.0358	0.8638	1.2200	1.7334	1.8247
	12.0	0	0.2327	0.6804	0.9604	1.1495	0	0.5841	1.0153	1.3998	1.6974	0.0326	0.8062	1.2188	1.8052	2.0060
10.0	6.0	0	0.2076	0.4112	0.4691	0.4472	0	0.4896	0.5674	0.6362	0.6224	0.0385	0.6503	0.6512	0.7883	0.7125
	8.0	0	0.2259	0.5165	0.6158	0.6228	0	0.5463	0.7294	0.8497	0.8774	0.0362	0.7363	0.8478	1.0625	1.0106
	10.0	0	0.2217	0.5580	0.7086	0.7511	0	0.5451	0.8034	0.9947	1.0718	0.0327	0.7423	0.9440	1.2556	1.2431
	12.0	0	0.2093	0.5682	0.7523	0.8402	0	0.5202	0.8315	1.0724	1.2149	0.0298	0.7132	0.9863	1.3653	1.4190
50.0	6.0	0	0.0686	0.1049	0.1095	0.0979	0	0.1527	0.1399	0.1451	0.1344	0.0202	0.1966	0.1577	0.1776	0.1527
	8.0	0	0.0916	0.1523	0.1586	0.1454	0	0.2075	0.2049	0.2112	0.2001	0.0224	0.2696	0.2319	0.2592	0.2278
	10.0	0	0.1059	0.1886	0.2030	0.1886	0	0.2441	0.2561	0.2721	0.2605	0.0224	0.3199	0.2913	0.3351	0.2971
	12.0	0	0.1134	0.2188	0.2393	0.2283	0	0.2652	0.3001	0.3229	0.3167	0.0217	0.3505	0.3434	0.3990	0.3620

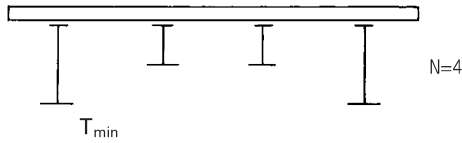
$T_{min}+5$

I_0/I_m	I_1/I_0	1.0					2.0					4.0				
		L	H	1.0	1.5	2.0	2.5	3.0	1.0	1.5	2.0	2.5	3.0	1.0	1.5	2.0
0.7	6.0	0	0.5775	1.6418	2.4718	3.3369	0	1.4306	2.4924	3.7591	5.1875	0.0941	1.9622	3.0301	4.9376	6.3223
	8.0	0	0.5152	1.4954	2.2756	3.1831	0	1.2812	2.2783	3.4686	5.0186	0.0802	1.7607	2.7767	4.6042	6.1723
	10.0	0	0.4555	1.3320	2.0439	2.8982	0	1.1347	2.0323	3.1253	4.6007	0.0701	1.5610	2.4793	4.1577	5.6843
	12.0	0	0.4124	1.2108	1.8502	2.6345	0	1.0282	1.8464	2.8295	4.1925	0.0637	1.4150	2.2517	3.7653	5.1898
1.0	6.0	0	0.5258	1.5146	2.2671	2.9905	0	1.3060	2.2989	3.4126	4.6017	0.0852	1.7951	2.7930	4.4905	5.5718
	8.0	0	0.4724	1.3904	2.1219	2.9381	0	1.1768	2.1223	3.2296	4.6038	0.0733	1.6201	2.5885	4.2807	5.6381
	10.0	0	0.4190	1.2424	1.9193	2.7147	0	1.0456	1.9004	2.9362	4.2952	0.0640	1.4407	2.3214	3.9055	5.2934
	12.0	0	0.3799	1.1281	1.7386	2.4821	0	0.9482	1.7249	2.6632	3.9454	0.0582	1.3066	2.1067	3.5464	4.8780
2.0	6.0	0	0.4453	1.2830	1.8465	2.2648	0	1.1110	1.9312	2.7290	3.3942	0.0700	1.5301	2.3318	3.5487	4.0449
	8.0	0	0.4046	1.2134	1.8218	2.4072	0	1.0131	1.8490	2.7432	3.6964	0.0615	1.3989	2.2506	3.6089	4.4692
	10.0	0	0.3608	1.0974	1.6921	2.3269	0	0.9050	1.6815	2.5749	3.6292	0.0539	1.2507	2.0544	3.4104	4.4302
	12.0	0	0.3271	0.9969	1.5478	2.1801	0	0.8201	1.5299	2.3673	3.4333	0.0491	1.1331	1.8716	3.1465	4.2171
4.0	6.0	0	0.3801	1.0361	1.3837	1.6021	0	0.9455	1.5292	1.9905	2.3381	0.0581	1.2981	1.8234	2.5467	2.7445
	8.0	0	0.3524	1.0383	1.4789	1.8036	0	0.8840	1.5639	2.1797	2.6929	0.0518	1.2208	1.8883	2.8290	3.2019
	10.0	0	0.3168	0.9658	1.4416	1.8614	0	0.7976	1.4706	2.1596	2.8336	0.0458	1.1043	1.7880	2.8313	3.4075
	12.0	0	0.2868	0.8872	1.3536	1.8220	0	0.7225	1.3587	2.0485	2.8136	0.0418	1.0008	1.6584	2.7029	3.4130
6.0	6.0	0	0.3432	0.8796	1.1124	1.1717	0	0.8476	1.2782	1.5730	1.6802	0.0526	1.1580	1.5097	1.9930	1.9533
	8.0	0	0.3251	0.9244	1.2559	1.4476	0	0.8134	1.3759	1.8211	2.1241	0.0473	1.1207	1.6487	2.3407	2.5007
	10.0	0	0.2950	0.8828	1.2716	1.5603	0	0.7427	1.3328	1.8788	2.3347	0.0419	1.0276	1.6114	2.4421	2.7794
	12.0	0	0.2676	0.8228	1.2232	1.5785	0	0.6750	1.2532	1.8308	2.3998	0.0382	0.9353	1.5238	2.3986	2.8836
10.0	6.0	0	0.2937	0.6799	0.8010	0.7921	0	0.7151	0.9668	1.1102	1.1182	0.0468	0.9682	1.1279	1.3911	1.2892
	8.0	0	0.2900	0.7662	0.9692	1.0397	0	0.7195	1.1185	1.3749	1.4953	0.0425	0.9855	1.3247	1.7450	1.7410
	10.0	0	0.2687	0.7642	1.0359	1.1823	0	0.6734	1.1357	1.4990	1.7305	0.0378	0.9284	1.3596	1.9243	2.0344
	12.0	0	0.2457	0.7325	1.0357	1.2512	0	0.6187	1.1024	1.5218	1.8607	0.0345	0.8559	1.3300	1.9712	2.2073
50.0	6.0	0	0.1284	0.2103	0.2117	0.1870	0	0.2932	0.2839	0.2824	0.2576	0.0298	0.3824	0.3219	0.3468	0.2932
	8.0	0	0.1559	0.2898	0.2978	0.2731	0	0.3647	0.3970	0.4010	0.3783	0.0300	0.4820	0.4538	0.4948	0.4318
	10.0	0	0.1657	0.3399	0.3686	0.3472	0	0.3953	0.4727	0.5015	0.4840	0.0281	0.5285	0.5446	0.6223	0.5544
	12.0	0	0.1654	0.3727	0.4192	0.4107	0	0.4005	0.5261	0.5766	0.5769	0.0260	0.5403	0.6112	0.7196	0.6634

l_0/l_m	l_1/l_0	6.0					10.0					100.0				
		L	H	1.0	1.5	2.0	2.5	3.0	1.0	1.5	2.0	2.5	3.0	1.0	1.5	2.0
0.7	6.0	0.2561	1.7782	2.6832	4.3864	5.1838	0.4086	1.9180	2.9028	4.6800	5.4311	0.6259	2.1186	3.3298	5.0967	5.7787
	8.0	0.2236	1.6184	2.5455	4.3178	5.4708	0.3571	1.7468	2.7595	4.6208	5.7549	0.5478	1.9313	3.1749	5.0540	6.1582
	10.0	0.1958	1.4445	2.3054	4.0055	5.2652	0.3128	1.5595	2.5015	4.2937	5.5524	0.4800	1.7249	2.8819	4.7075	5.9627
	12.0	0.1782	1.3093	2.0950	3.6618	4.9200	0.2847	1.4134	2.2737	3.9282	5.1961	0.4370	1.5631	2.6205	4.3116	5.5921
1.0	6.0	0.2317	1.6406	2.4195	3.8351	4.3330	0.3697	1.7694	2.6136	4.0830	4.5281	0.5666	1.9541	2.9918	4.4328	4.8005
	8.0	0.2044	1.5068	2.3583	3.9205	4.7968	0.3264	1.6268	2.5546	4.1891	5.0345	0.5007	1.7993	2.9359	4.5716	5.3701
	10.0	0.1796	1.3497	2.1630	3.7163	4.7612	0.2868	1.4577	2.3462	3.9797	5.0119	0.4403	1.6133	2.7017	4.3567	5.3683
	12.0	0.1636	1.2223	1.9742	3.4344	4.5361	0.2614	1.3201	2.1426	3.6821	4.7842	0.4013	1.4608	2.4693	4.0379	5.1388
2.0	6.0	0.1932	1.3828	1.8636	2.7328	2.8135	0.3085	1.4891	2.0048	2.8952	2.9260	0.4735	1.6408	2.2813	3.1216	3.0812
	8.0	0.1729	1.3137	1.9586	3.0547	3.4289	0.2763	1.4178	2.1154	3.2502	3.5808	0.4243	1.5671	2.4210	3.5255	3.7926
	10.0	0.1529	1.1938	1.8703	3.0707	3.6547	0.2444	1.2897	2.0249	3.2773	3.8295	0.3756	1.4276	2.3251	3.5706	4.0752
	12.0	0.1396	1.0832	1.7433	2.9400	3.6648	0.2231	1.1706	1.8900	3.1442	3.8502	0.3427	1.2964	2.1747	3.4356	4.1126
4.0	6.0	0.1643	1.1033	1.2947	1.7459	1.7414	0.2627	1.1840	1.3858	1.8409	1.8047	0.4034	1.2981	1.5660	1.9719	1.8913
	8.0	0.1490	1.1152	1.4978	2.1425	2.1934	0.2383	1.2009	1.6105	2.2681	2.2797	0.3663	1.3232	1.8314	2.4428	2.3986
	10.0	0.1326	1.0464	1.5209	2.3176	2.5134	0.2121	1.1291	1.6405	2.4618	2.6202	0.3262	1.2475	1.8738	2.6640	2.7684
	12.0	0.1208	0.9627	1.4763	2.3384	2.6783	0.1932	1.0398	1.5960	2.4904	2.7997	0.2972	1.1506	1.8289	2.7051	2.9693
6.0	6.0	0.1499	0.9276	0.9944	1.2840	1.1751	0.2395	0.9927	1.0615	1.3508	1.2155	0.3676	1.0842	1.1948	1.4424	1.2705
	8.0	0.1375	0.9846	1.2184	1.6532	1.6136	0.2200	1.0581	1.3061	1.7451	1.6733	0.3383	1.1623	1.4790	1.8722	1.7551
	10.0	0.1230	0.9511	1.2905	1.8672	1.9178	0.1969	1.0246	1.3881	1.9774	1.9938	0.3030	1.1296	1.5792	2.1308	2.0986
	12.0	0.1119	0.8893	1.2933	1.9509	2.1148	0.1792	0.9595	1.3948	2.0716	2.2041	0.2758	1.0601	1.5928	2.2408	2.3279
10.0	6.0	0.1320	0.7072	0.6800	0.8400	0.7429	0.2106	0.7541	0.7237	0.8818	0.7673	0.3227	0.8193	0.8114	0.9388	0.8005
	8.0	0.1243	0.8050	0.8892	1.1358	1.0559	0.1987	0.8622	0.9498	1.1953	1.0926	0.3054	0.9425	1.0701	1.2770	1.1425
	10.0	0.1125	0.8147	0.9939	1.3466	1.3019	0.1800	0.8752	1.0650	1.4210	1.3496	0.2770	0.9611	1.2052	1.5236	1.4149
	12.0	0.1025	0.7847	1.0421	1.4688	1.4898	0.1642	0.8449	1.1197	1.5537	1.5475	0.2528	0.9306	1.2721	1.6717	1.6269
50.0	6.0	0.0684	0.2116	0.1637	0.1885	0.1588	0.1081	0.2236	0.1733	0.1973	0.1637	0.1634	0.2400	0.1930	0.2091	0.1704
	8.0	0.0764	0.2909	0.2411	0.2754	0.2371	0.1212	0.3082	0.2556	0.2883	0.2445	0.1843	0.3320	0.2851	0.3059	0.2545
	10.0	0.0766	0.3463	0.3033	0.3563	0.3093	0.1220	0.3678	0.3220	0.3734	0.3192	0.1862	0.3975	0.3598	0.3966	0.3325
	12.0	0.0744	0.3806	0.3582	0.4249	0.3772	0.1188	0.4052	0.3808	0.4457	0.3895	0.1819	0.4394	0.4264	0.4740	0.4061

l_0/l_m	l_1/l_0	6.0					10.0					100.0				
		L	H	1.0	1.5	2.0	2.5	3.0	1.0	1.5	2.0	2.5	3.0	1.0	1.5	2.0
0.7	6.0	0.3223	2.1607	3.2320	5.3845	6.7408	0.5144	2.3284	3.5013	5.7616	7.0918	0.7883	2.5687	4.0249	6.3009	7.5906
	8.0	0.2749	1.9401	2.9646	5.0309	6.6034	0.4390	2.0918	3.2143	5.3925	6.9675	0.6734	2.3095	3.6995	5.9119	7.4887
	10.0	0.2403	1.7206	2.6480	4.5470	6.0921	0.3833	1.8557	2.8719	4.8775	6.4377	0.5887	2.0496	3.3071	5.3533	6.9345
	12.0	0.2184	1.5598	2.4047	4.1185	5.5664	0.3487	1.6824	2.6078	4.4185	5.8861	0.5349	1.8583	3.0026	4.8507	6.3467
1.0	6.0	0.2918	1.9779	2.9781	4.8900	5.9261	0.4656	2.1325	3.2251	5.2261	6.2219	0.7133	2.3543	3.7054	5.7050	6.6398
	8.0	0.2513	1.7861	2.7642	4.6745	6.0220	0.4012	1.9267	2.9974	5.0076	6.3451	0.6155	2.1285	3.4504	5.4851	6.8057
	10.0	0.2196	1.5887	2.4804	4.2706	5.6674	0.3507	1.7142	2.6911	4.5803	5.9836	0.5380	1.8943	3.1002	5.0258	6.4368
	12.0	0.1996	1.4410	2.2510	3.8798	5.2292	0.3188	1.5547	2.4422	4.1629	5.5270	0.4891	1.7181	2.8135	4.5706	5.9551
2.0	6.0	0.2397	1.6868	2.4802	3.8472	4.2772	0.3825	1.8194	2.6802	4.0961	4.4690	0.5861	2.0096	3.0697	4.4474	4.7367
	8.0	0.2108	1.5437	2.4011	3.9294	4.7506	0.3366	1.6665	2.6015	4.1988	4.9853	0.5163	1.8431	2.9907	4.5824	5.3163
	10.0	0.1850	1.3808	2.1950	3.7228	4.7258	0.2954	1.4912	2.3812	3.9867	4.9740	0.4534	1.6500	2.7424	4.3646	5.3268
	12.0	0.1685	1.2508	2.0008	3.4394	4.5091	0.2691	1.3507	2.1715	3.6876	4.7552	0.4131	1.4944	2.5028	4.0440	5.1069
4.0	6.0	0.1992	1.4292	1.9303	2.7448	2.8866	0.3181	1.5397	2.0777	2.9081	3.0027	0.4880	1.6976	2.3661	3.1357	3.1631
	8.0	0.1779	1.3471	2.0083	3.0649	3.3830	0.2842	1.4541	2.1700	3.2612	3.5322	0.4363	1.6077	2.4850	3.5377	3.7402
	10.0	0.1572	1.2198	1.9067	3.0786	3.6150	0.2512	1.3178	2.0648	3.2859	3.7872	0.3858	1.4588	2.3721	3.5801	4.0293
	12.0	0.1434	1.1057	1.7711	2.9460	3.6322	0.2292	1.1948	1.9206	3.1508	3.8154	0.3521	1.3231	2.2105	3.4429	4.0745
6.0	6.0	0.1805	1.2726	1.5928	2.1405	2.0475	0.2884	1.3688	1.7095	2.2614	2.1240	0.4428	1.5056	1.9389	2.4287	2.2290
	8.0	0.1623	1.2355	1.7486	2.5268	2.6329	0.2595	1.3325	1.8849	2.6808	2.7412	0.3987	1.4714	2.1511	2.8960	2.8910
	10.0	0.1439	1.1347	1.7146	2.6470	2.9379	0.2301	1.2254	1.8534	2.8177	3.0686	0.3537	1.3558	2.1236	3.0584	3.2509
	12.0	0.1313	1.0335	1.6248	2.6074	3.0583	0.2099	1.1167	1.7596	2.7824	3.2032	0.3226	1.2366	2.0214	3.0306	3.4068
10.0	6.0	0.1607	1.0603	1.1846	1.4883	1.3476	0.2568	1.1371	1.2668	1.5674	1.3947	0.3943	1.2455	1.4295	1.6760	1.4590
	8.0	0.1460	1.0840	1.3989	1.8753	1.8259	0.2335	1.1668	1.5026	1.9822	1.8950	0.3591	1.2847	1.7062	2.1303	1.9899
	10.0	0.1301	1.0237	1.4413	2.0763	2.1409	0.2081	1.1042	1.5532	2.2020	2.2280	0.3202	1.2195	1.7717	2.3775	2.3484
	12.0	0.1184	0.9450	1.4140	2.1339	2.3303	0.1895	1.0205	1.5275	2.2692	2.4314	0.2915	1.1289	1.7484	2.4594	2.5721
50.0	6.0	0.1017	0.4133	0.3348	0.3685	0.3052	0.1617	0.4384	0.3551	0.3860	0.3148	0.2464	0.4729	0.3964	0.4096	0.3277
	8.0	0.1026	0.5233	0.4732	0.5265	0.4499	0.1637	0.5572	0.5031	0.5522	0.4643	0.2506	0.6043	0.5632	0.5870	0.4840
	10.0	0.0964	0.5761	0.5695	0.6635	0.5782	0.1541	0.6154	0.6069	0.6969	0.5974	0.2366	0.6704	0.6814	0.7424	0.6234
	12.0	0.0895	0.5909	0.6410	0.7688	0.6928	0.1432	0.6330	0.6846	0.8087	0.7165	0.2203	0.6922	0.7712	0.8634	0.7488

2. 床版



l_0/l_m	l_1/l_0	1.0					2.0					4.0				
		L/H	1.0	1.5	2.0	2.5	3.0	1.0	1.5	2.0	2.5	3.0	1.0	1.5	2.0	2.5
0.7	6.0	1.6019	1.9508	2.2349	2.7436	3.1240	2.1010	2.4274	2.9028	3.5967	3.7216	2.4872	2.7685	3.5728	4.0995	4.1176
	8.0	1.3814	1.8342	2.2969	2.9523	3.5425	1.8378	2.3317	3.0660	4.0055	4.3494	2.1922	2.7027	3.8676	4.6673	4.3243
	10.0	1.2135	1.6594	2.1700	2.9071	3.6240	1.6197	2.1311	2.9479	4.0482	4.5686	1.9360	2.4905	3.7770	4.8015	5.1527
	12.0	1.1042	1.5047	2.0134	2.7546	3.5482	1.4750	1.9387	2.7666	3.9041	4.5697	1.7633	2.2732	3.5801	4.6897	5.2415
1.0	6.0	1.4595	1.7601	1.9081	2.2703	2.5297	1.9214	2.1589	2.4391	2.9202	2.9712	2.2799	2.4355	2.9601	3.2906	3.3780
	8.0	1.2673	1.6964	2.0442	2.5427	2.9651	1.6930	2.1392	2.6850	3.3781	3.5722	2.0256	2.4624	3.3425	3.8834	3.9176
	10.0	1.1132	1.5533	1.9811	2.5816	3.1212	1.4936	1.9874	2.6546	3.5248	3.8536	1.7919	2.3134	3.3637	4.1252	4.2897
	12.0	1.0129	1.4145	1.8672	2.4980	3.1280	1.3595	1.8212	2.5384	3.4807	3.9471	1.6308	2.1318	3.2570	4.1309	4.4551
2.0	6.0	1.2150	1.3699	1.3094	1.4804	1.6033	1.6108	1.6150	1.6366	1.8504	1.9839	1.9126	1.7726	1.9364	2.0505	2.2235
	8.0	1.0757	1.4106	1.5260	1.7776	1.9857	1.4510	1.7283	1.9429	2.2745	2.3463	1.7432	1.9462	2.3512	2.5549	2.6618
	10.0	0.9481	1.3410	1.5702	1.9182	2.1951	1.2882	1.6828	2.0383	2.5143	2.6149	1.5556	1.9274	2.5134	2.8657	2.8867
	12.0	0.8628	1.2445	1.5449	1.9463	2.2990	1.1724	1.5837	2.0412	2.6063	2.7887	1.4164	1.8333	2.5568	3.0111	3.0706
4.0	6.0	1.0087	0.9781	0.8281	0.9372	1.0220	1.3302	1.1003	1.0289	1.1120	1.3009	1.5642	1.1730	1.1944	1.2833	1.4447
	8.0	0.9152	1.0922	1.0380	1.1495	1.2495	1.2388	1.2814	1.2945	1.4293	1.5574	1.4841	1.4015	1.5277	1.5806	1.7426
	10.0	0.8146	1.0972	1.1357	1.3038	1.4380	1.1171	1.3279	1.4322	1.6506	1.7304	1.3513	1.4820	1.7168	1.8424	1.9526
	12.0	0.7431	1.0548	1.1774	1.3854	1.5621	1.0220	1.3048	1.5063	1.7835	1.8368	1.2405	1.4781	1.8331	2.0107	2.0797
6.0	6.0	0.9027	0.7709	0.6144	0.7041	0.7295	1.1738	0.8447	0.7660	0.8518	0.9184	1.3637	0.8869	0.8821	0.9635	1.0150
	8.0	0.8322	0.9017	0.7970	0.8838	0.9315	1.1201	1.0284	0.9900	1.0628	1.1900	1.3322	1.1052	1.1548	1.2076	1.3237
	10.0	0.7471	0.9399	0.8997	1.0038	1.0917	1.0244	1.1072	1.1225	1.2521	1.3559	1.2348	1.2139	1.3264	1.3859	1.5184
	12.0	0.6837	0.9284	0.9608	1.0910	1.2082	0.9437	1.1212	1.2102	1.3786	1.4579	1.1449	1.2493	1.4491	1.5373	1.6439
10.0	6.0	0.7804	0.5500	0.4133	0.5086	0.4854	0.9843	0.5855	0.5568	0.5976	0.6058	1.1191	0.6050	0.6310	0.6521	0.6669
	8.0	0.7359	0.6772	0.5528	0.6168	0.6495	0.9716	0.7463	0.6883	0.7455	0.8191	1.1372	0.7860	0.7939	0.8483	0.9059
	10.0	0.6697	0.7387	0.6447	0.7201	0.7573	0.9087	0.8393	0.8005	0.8622	0.9658	1.0834	0.8999	0.9322	0.9845	1.0734
	12.0	0.6165	0.7573	0.7111	0.7852	0.8494	0.8485	0.8832	0.8851	0.9681	1.0662	1.0233	0.9620	1.0416	1.0699	1.1912
50.0	6.0	0.4451	0.1548	0.1253	0.1444	0.1147	0.4874	0.1639	0.1609	0.1530	0.1389	0.5110	0.2064	0.1789	0.1639	0.1520
	8.0	0.4609	0.2131	0.1733	0.2000	0.1663	0.5318	0.2177	0.2252	0.2165	0.2040	0.5734	0.2624	0.2516	0.2326	0.2236
	10.0	0.4465	0.2573	0.2043	0.2429	0.2107	0.5383	0.2670	0.2690	0.2702	0.2613	0.5947	0.2926	0.3021	0.2910	0.2867
	12.0	0.4281	0.2897	0.2256	0.2704	0.2506	0.5368	0.3054	0.3013	0.3103	0.3120	0.6065	0.3139	0.3404	0.3352	0.3430

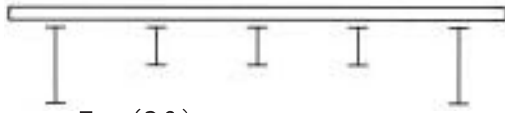
$T_{min} + 5$

l_0/l_m	l_1/l_0	1.0					2.0					4.0				
		L/H	1.0	1.5	2.0	2.5	3.0	1.0	1.5	2.0	2.5	3.0	1.0	1.5	2.0	2.5
0.7	6.0	1.9784	2.3830	2.9212	3.7232	4.4131	2.5873	3.0084	3.9219	5.0771	5.4368	3.0506	3.4797	4.9632	5.9380	6.0439
	8.0	1.6905	2.1657	2.7949	3.7165	4.6694	2.2383	2.7611	3.8276	5.2269	5.9540	2.6577	3.2187	4.9324	6.2464	6.7679
	10.0	1.4859	1.9323	2.5417	3.4817	4.5301	1.9689	2.4727	3.5160	4.9913	5.9208	2.3404	2.8916	4.5736	6.0502	6.9230
	12.0	1.3514	1.7499	2.3146	3.2036	4.2699	1.7924	2.2385	3.2161	4.6410	5.6746	2.1320	2.6179	4.2019	5.6727	6.7935
1.0	6.0	1.8043	2.1911	2.6114	3.2227	3.7033	2.3596	2.7566	3.4561	4.3079	4.4772	2.7858	3.1756	4.3222	4.9717	4.9199
	8.0	1.5466	2.0144	2.5726	3.3375	4.0686	2.0502	2.5702	3.4883	4.6148	5.0846	2.4381	2.9940	4.4581	5.4476	5.7032
	10.0	1.3593	1.8049	2.3740	3.2000	4.0578	1.8053	2.3165	3.2632	4.5284	5.2070	2.1501	2.7120	4.2222	5.4344	5.9430
	12.0	1.2366	1.6339	2.1753	2.9825	3.8978	1.6442	2.0983	3.0128	4.2812	5.1013	1.9592	2.4593	3.9249	5.1933	5.9817
2.0	6.0	1.5071	1.8264	1.9814	2.2802	2.4930	1.9815	2.2524	2.5420	2.9343	2.9332	2.3492	2.5515	3.0943	3.3069	3.3326
	8.0	1.3052	1.7441	2.1024	2.5515	2.9281	1.7411	2.2065	2.7723	3.3918	3.5239	2.0808	2.5469	3.4613	3.8998	3.8615
	10.0	1.1465	1.5895	2.0250	2.5889	3.0879	1.5354	2.0372	2.7230	3.5368	3.8078	1.8395	2.3754	3.4591	4.1398	4.2346
	12.0	1.0432	1.4449	1.9011	2.5037	3.0995	1.3978	1.8613	2.5920	3.4907	3.9062	1.6745	2.1807	3.3323	4.1432	4.4044
4.0	6.0	1.2554	1.4404	1.3740	1.4880	1.6451	1.6633	1.7115	1.7208	1.8606	2.0301	1.9755	1.8884	2.0410	2.0619	2.2765
	8.0	1.1071	1.4637	1.5862	1.7856	1.9563	1.4912	1.8048	2.0266	2.2857	2.3161	1.7905	2.0417	2.4600	2.5677	2.6257
	10.0	0.9747	1.3803	1.6202	1.9255	2.1659	1.3216	1.7404	2.1117	2.5253	2.5776	1.5941	2.0006	2.6121	2.8787	2.8504
	12.0	0.8869	1.2752	1.5851	1.9527	2.2716	1.2025	1.6281	2.1026	2.6164	2.7523	1.4508	1.8899	2.6414	3.0233	3.0279
6.0	6.0	1.1266	1.2072	1.0657	1.1450	1.1750	1.4940	1.3965	1.3258	1.3896	1.4994	1.7694	1.5143	1.5530	1.5627	1.6693
	8.0	1.0070	1.2839	1.2881	1.3947	1.5008	1.3624	1.5475	1.6212	1.7547	1.8333	1.6365	1.7229	1.9371	1.9514	2.0606
	10.0	0.8904	1.2461	1.3652	1.5528	1.7020	1.2157	1.5437	1.7465	1.9926	2.0071	1.4702	1.7511	2.1241	2.2417	2.2780
	12.0	0.8107	1.1708	1.3760	1.6192	1.8250	1.1078	1.4759	1.7906	2.1184	2.1687	1.3415	1.6956	2.2126	2.4112	2.4038
10.0	6.0	0.9816	0.9246	0.7472	0.8045	0.8213	1.2912	1.0331	0.9292	0.9607	1.0377	1.5142	1.0970	1.0752	1.1048	1.1485
	8.0	0.8940	1.0446	0.9485	1.0022	1.0449	1.2095	1.2171	1.1807	1.2237	1.3259	1.4467	1.3253	1.3870	1.3668	1.4779
	10.0	0.7973	1.0590	1.0499	1.1380	1.2187	1.0941	1.2735	1.3184	1.4288	1.4956	1.3225	1.4151	1.5717	1.5870	1.6792
	12.0	0.7278	1.0245	1.1002	1.2244	1.3393	1.0023	1.2604	1.3994	1.5601	1.5962	1.2166	1.4223	1.6927	1.7477	1.8058
50.0	6.0	0.6075	0.3045	0.2352	0.2636	0.2130	0.7160	0.3133	0.3071	0.2873	0.2619	0.7814	0.3612	0.3437	0.3087	0.2870
	8.0	0.5967	0.3988	0.3007	0.3430	0.3021	0.7441	0.4205	0.4009	0.3894	0.3754	0.8387	0.4322	0.4524	0.4202	0.4124
	10.0	0.5581	0.4609	0.3463	0.3891	0.3745	0.7246	0.4975	0.4507	0.4645	0.4681	0.8368	0.5179	0.5130	0.5107	0.5156
	12.0	0.5219	0.4984	0.3978	0.4231	0.4321	0.6977	0.5500	0.4954	0.5116	0.5436	0.8212	0.5793	0.5711	0.5775	0.6004

l_0/l_m	l_1/l_0	6.0					10.0					100.0					
		L	H	1.0	1.5	2.0	2.5	3.0	1.0	1.5	2.0	2.5	3.0	1.0	1.5	2.0	2.5
0.7	6.0		2.6496	2.9052	3.8230	4.2812	4.3033	2.7957	3.1651	4.0343	4.4323	4.4551	3.0206	3.6316	4.3368	4.6446	4.6651
	8.0		2.3417	2.8551	4.1778	4.9148	4.9958	2.4764	3.1132	4.4448	5.1240	5.1391	2.6842	3.6051	4.8351	5.4896	5.4896
	10.0		2.0697	2.6401	4.1054	5.0911	5.4324	2.1902	2.8814	4.3915	5.3393	5.7399	2.3765	3.3533	4.8158	5.8334	6.1790
	12.0		1.8849	2.4135	3.9075	4.9979	5.6506	1.9946	2.6366	4.1952	5.2648	5.9994	2.1639	3.0754	4.6263	5.8226	6.5043
1.0	6.0		2.4303	2.5441	3.1505	3.4220	3.5188	2.5654	2.7674	3.3097	3.5301	3.6333	2.7728	3.1562	3.5348	3.6808	3.7908
	8.0		2.1660	2.5932	3.5916	4.0682	4.0687	2.2925	2.8214	3.8037	4.2228	4.2215	2.4876	3.2533	4.1099	4.4484	4.4338
	10.0		1.9182	2.4476	3.6394	4.3509	4.4478	2.0321	2.6658	3.8773	4.5422	4.6230	2.2082	3.0937	4.2262	4.8944	4.9456
	12.0		1.7455	2.2609	3.5418	4.3807	4.7066	1.8491	2.4657	3.7900	4.5949	4.9738	2.0092	2.8715	4.1584	5.0247	5.3556
2.0	6.0		2.0375	1.8320	2.0421	2.1307	2.3051	2.1488	1.9952	2.1290	2.2289	2.3711	2.3179	2.2441	2.2496	2.3637	2.4611
	8.0		1.8658	2.0313	2.4997	2.6538	2.7706	1.9759	2.2040	2.6235	2.7351	2.8591	2.1449	2.5111	2.7983	2.8799	2.9805
	10.0		1.6886	2.0253	2.6908	2.9926	3.0171	1.7704	2.1973	2.8406	3.0979	3.1238	1.9276	2.5261	3.0552	3.2459	3.2714
	12.0		1.5198	1.9348	2.7537	3.1603	3.1711	1.6132	2.1018	2.9220	3.2855	3.2736	1.7576	2.4307	3.1661	3.4881	3.4446
4.0	6.0		1.6584	1.2180	1.2514	1.3544	1.4934	1.7410	1.3209	1.2977	1.4119	1.5325	1.8642	1.4650	1.3612	1.4901	1.5857
	8.0		1.5851	1.4464	1.6096	1.6589	1.8057	1.6749	1.5742	1.6768	1.7343	1.8566	1.8110	1.7676	1.7700	1.8376	1.9260
	10.0		1.4491	1.5412	1.8190	1.9095	2.0288	1.5367	1.6705	1.9036	1.9643	2.0905	1.6706	1.8946	2.0221	2.0644	2.1751
	12.0		1.3326	1.5462	1.9528	2.0913	2.1671	1.4154	1.6748	2.0530	2.1577	2.2382	1.5427	1.9141	2.1949	2.2501	2.3360
6.0	6.0		1.4384	0.9323	0.9217	1.0150	1.0475	1.5032	1.0056	0.9537	1.0565	1.0736	1.5986	1.1072	0.9974	1.1129	1.1090
	8.0		1.4182	1.1413	1.2119	1.2757	1.3689	1.4939	1.2413	1.2584	1.3309	1.4053	1.6073	1.3821	1.3224	1.4061	1.4549
	10.0		1.3216	1.2539	1.3982	1.4470	1.5737	1.3997	1.3627	1.4572	1.5132	1.6184	1.5157	1.5319	1.5389	1.6039	1.6793
	12.0		1.2290	1.2985	1.5347	1.5926	1.7076	1.3042	1.4070	1.6056	1.6378	1.7593	1.4192	1.5944	1.7048	1.7277	1.8299
10.0	6.0		1.1706	0.6495	0.6561	0.6858	0.6874	1.2145	0.6963	0.6763	0.7128	0.7038	1.2780	0.7607	0.7038	0.7494	0.7260
	8.0		1.2026	0.8231	0.8301	0.8939	0.9351	1.2592	0.8889	0.8593	0.9307	0.9586	1.3428	0.9802	0.8992	0.9807	0.9905
	10.0		1.1539	0.9298	0.9778	1.0397	1.1099	1.2158	1.0105	1.0149	1.0843	1.1392	1.3084	1.1238	1.0658	1.1452	1.1790
	12.0		1.0951	0.9913	1.0963	1.1325	1.2337	1.1587	1.0789	1.1412	1.1833	1.2679	1.2548	1.2092	1.2031	1.2528	1.3146
50.0	6.0		0.5193	0.2208	0.1850	0.1676	0.1564	0.5261	0.2323	0.1898	0.1722	0.1599	0.5355	0.2478	0.1963	0.1806	0.1646
	8.0		0.5884	0.2819	0.2605	0.2379	0.2301	0.6008	0.2976	0.2676	0.2468	0.2353	0.6181	0.3189	0.2772	0.2589	0.2424
	10.0		0.6154	0.3159	0.3132	0.3012	0.2953	0.6327	0.3347	0.3222	0.3127	0.3021	0.6572	0.3604	0.3343	0.3283	0.3113
	12.0		0.6327	0.3400	0.3535	0.3516	0.3534	0.6549	0.3638	0.3642	0.3653	0.3617	0.6867	0.3963	0.3786	0.3839	0.3730

l_0/l_m	l_1/l_0	6.0					10.0					100.0					
		L	H	1.0	1.5	2.0	2.5	3.0	1.0	1.5	2.0	2.5	3.0	1.0	1.5	2.0	2.5
0.7	6.0		3.2442	3.6746	5.3694	6.2622	6.2641	3.4179	4.0239	5.7203	6.5372	6.4632	3.6847	4.6576	6.2359	7.0189	6.9125
	8.0		2.8334	3.4104	5.3755	6.6436	7.2166	2.9910	3.7341	5.7642	6.9865	7.6464	3.2335	4.3439	6.3455	7.6760	8.2652
	10.0		2.4964	3.0631	5.0042	6.4721	7.4967	2.6365	3.3597	5.3851	6.8408	7.9903	2.8521	3.9166	5.9604	7.6186	8.7121
	12.0		2.2745	2.7781	4.6067	6.0898	7.3834	2.4026	3.0423	4.9665	6.4571	7.9051	2.5997	3.5479	5.5131	7.2440	8.6773
1.0	6.0		2.9646	3.3467	4.6537	5.2164	5.0920	3.1253	3.6567	4.9371	5.4217	5.2863	3.3726	4.2204	5.3488	5.7326	5.5567
	8.0		2.6010	3.1703	4.8415	5.7656	5.9355	2.7476	3.4659	5.1751	6.0373	6.2605	2.9735	4.0272	5.6693	6.5574	6.7227
	10.0		2.2952	2.8779	4.6085	5.7893	6.3938	2.4258	3.1477	4.9482	6.0967	6.7832	2.6272	3.6693	5.4575	6.7328	7.3457
	12.0		2.0917	2.6114	4.2967	5.5569	6.4790	2.2108	2.8575	4.6257	5.8748	6.9070	2.3945	3.3345	5.1231	6.5512	7.5334
2.0	6.0		2.5038	2.6698	3.2973	3.4392	3.4708	2.6427	2.9053	3.4673	3.5481	3.5832	2.8562	3.3208	3.7084	3.6999	3.7376
	8.0		2.2242	2.6854	3.7239	4.0859	4.0182	2.3535	2.9239	3.9479	4.2415	4.1681	2.5530	3.3769	4.2724	4.4698	4.3764
	10.0		1.9681	2.5152	3.7468	4.3668	4.5894	2.0843	2.7415	3.9956	4.5593	4.5528	2.2638	3.1851	4.3614	4.9144	4.8686
	12.0		1.7915	2.3139	3.6270	4.3943	4.6450	1.8970	2.5251	3.8843	4.6096	4.9072	2.0601	2.9427	4.2672	5.0422	5.2816
4.0	6.0		2.1052	1.9555	2.1545	2.1409	2.3606	2.2211	2.1281	2.2479	2.2397	2.4286	2.3976	2.3996	2.3778	2.3753	2.5213
	8.0		1.9164	2.1348	2.6185	2.6674	2.7325	2.0296	2.3168	2.7509	2.7493	2.8193	2.2036	2.6460	2.9383	2.8630	2.9384
	10.0		1.7095	2.1053	2.8000	3.0064	2.9784	1.8136	2.2855	2.9591	3.1125	3.0832	1.9742	2.6329	3.1876	3.2616	3.2279
	12.0		1.5561	1.9968	2.8484	3.1734	3.1262	1.6513	2.1706	3.0256	3.2994	3.2334	1.7984	2.5144	3.2836	3.5042	3.4011
6.0	6.0		1.8824	1.5602	1.6323	1.6521	1.7269	1.9825	1.7022	1.6970	1.7244	1.7734	2.1337	1.9033	1.7862	1.8233	1.8365
	8.0		1.7510	1.7902	2.0502	2.0198	2.1384	1.8534	1.9428	2.1436	2.0847	2.2013	2.0100	2.2007	2.2743	2.2146	2.2873
	10.0		1.5774	1.8329	2.2625	2.3299	2.3716	1.6739	1.9866	2.3783	2.4024	2.4477	1.8224	2.2721	2.5423	2.5033	2.5522
	12.0		1.4405	1.7838	2.3708	2.5168	2.5110	1.5298	1.9348	2.5046	2.6043	2.5986	1.6677	2.2280	2.6966	2.7273	2.7195
10.0	6.0		1.6036	1.1421	1.1253	1.1647	1.1858	1.6818	1.2368	1.1660	1.2131	1.2158	1.7981	1.3692	1.2216	1.2790	1.2566
	8.0		1.5442	1.3656	1.4592	1.4457	1.5295	1.6306	1.4880	1.5183	1.5095	1.5711	1.7613	1.6673	1.5999	1.5968	1.6277
	10.0		1.4178	1.4692	1.6621	1.6419	1.7420	1.5029	1.5930	1.7367	1.7028	1.7927	1.6329	1.8028	1.8408	1.8080	1.8620
	12.0		1.3063	1.4855	1.7994	1.8137	1.8779	1.3879	1.6089	1.8883	1.8678	1.9365	1.5124	1.8350	2.0137	1.9428	2.0167
50.0	6.0		0.8052	0.3889	0.3560	0.3167	0.2955	0.8251	0.4112	0.3658	0.3287	0.3022	0.8531	0.4417	0.3792	0.3448	0.3113
	8.0		0.8743	0.4682	0.4698	0.4388	0.4248	0.9044	0.5009	0.4838	0.4558	0.4348	0.9476	0.5458	0.5029	0.4788	0.4482
	10.0		0.8801	0.5494	0.5342	0.5372	0.5315	0.9173	0.5908	0.5513	0.5586	0.5443	0.9713	0.6478	0.5745	0.5875	0.5617
	12.0		0.8700	0.6064	0.5971	0.6082	0.6196	0.9124	0.6550	0.6180	0.6331	0.6350	0.9749	0.7226	0.6467	0.6668	0.6558

2. 床版



N=5

$T_{min} (G 2)$

l_0/l_m	l_1/l_0	1.0					2.0					4.0					
		L	H	1.0	1.5	2.0	2.5	3.0	1.0	1.5	2.0	2.5	3.0	1.0	1.5	2.0	2.5
0.7	6.0		2.0516	2.0863	2.1767	2.6642	3.1109	2.5165	2.4232	2.6990	3.3909	3.6724	2.8926	2.6479	3.2064	3.8013	4.0972
	8.0		1.8050	2.0475	2.2890	2.8498	3.4376	2.2450	2.4557	2.9309	3.7162	4.1423	2.6114	2.7497	3.5558	4.2271	4.5406
	10.0		1.5963	1.9005	2.2201	2.8372	3.4795	1.9948	2.3264	2.9198	3.7867	4.2729	2.3312	2.6491	3.6082	4.3720	4.7360
	12.0		1.4521	1.7475	2.1085	2.7326	3.4096	1.8146	2.1639	2.8339	3.7201	4.2615	2.1219	2.5052	3.5575	4.3972	4.7753
1.0	6.0		1.8762	1.8329	1.8548	2.2351	2.5591	2.2963	2.0917	2.2637	2.8109	3.0034	2.6240	2.2542	2.6646	3.1300	3.4071
	8.0		1.6670	1.8488	2.0040	2.4568	2.9214	2.0773	2.1827	2.5129	3.1543	3.4785	2.4101	2.4093	3.0109	3.5549	3.8177
	10.0		1.4780	1.7470	1.9832	2.4945	3.0195	1.8553	2.1127	2.5511	3.2690	3.6561	2.1675	2.3754	3.1083	3.7307	4.0133
	12.0		1.3444	1.6227	1.9125	2.4380	3.0027	1.6898	1.9925	2.5175	3.2552	3.6938	1.9781	2.2691	3.1154	3.7601	4.0923
2.0	6.0		1.5517	1.3691	1.2994	1.5303	1.6469	1.8670	1.5104	1.5576	1.8626	2.0179	2.0966	1.5924	1.8084	2.0493	2.2576
	8.0		1.4215	1.4586	1.4853	1.7606	2.0177	1.7580	1.6592	1.8036	2.2068	2.3784	2.0183	1.7835	2.1193	2.4527	2.6925
	10.0		1.2751	1.4356	1.5287	1.8645	2.1893	1.6000	1.6766	1.8899	2.3722	2.5866	1.8604	1.8348	2.2475	2.6594	2.8754
	12.0		1.1647	1.3702	1.5216	1.8778	2.2529	1.4706	1.6332	1.9193	2.4239	2.6952	1.7213	1.8144	2.3110	2.7406	2.9286
4.0	6.0		1.2405	0.9686	0.8708	0.9785	1.0325	1.4471	1.0402	1.0155	1.1569	1.3137	1.5848	1.0798	1.1679	1.3079	1.4565
	8.0		1.1863	1.0876	1.0349	1.2015	1.2842	1.4336	1.1956	1.2375	1.4527	1.5831	1.6111	1.2578	1.4349	1.5903	1.7683
	10.0		1.0893	1.1161	1.1124	1.3074	1.4719	1.3470	1.2545	1.3391	1.6278	1.7604	1.5415	1.3377	1.5652	1.8024	1.9826
	12.0		1.0081	1.1005	1.1444	1.3650	1.5810	1.2642	1.2622	1.3942	1.7172	1.8501	1.4649	1.3638	1.6435	1.9127	2.0977
6.0	6.0		1.0694	0.7696	0.6639	0.7372	0.7428	1.2206	0.8161	0.7676	0.8664	0.9220	1.3160	0.8412	0.8794	0.9774	1.0174
	8.0		1.0498	0.8922	0.8208	0.9243	0.9498	1.2434	0.9650	0.9676	1.1022	1.2037	1.3750	1.0056	1.1156	1.2315	1.3366
	10.0		0.9816	0.9372	0.8959	1.0477	1.1223	1.1942	1.0329	1.0707	1.2691	1.3789	1.3472	1.0881	1.2423	1.3915	1.5413
	12.0		0.9198	0.9418	0.9421	1.0966	1.2379	1.1403	1.0566	1.1328	1.3637	1.4836	1.3065	1.1253	1.3233	1.5090	1.6697
10.0	6.0		0.8741	0.5570	0.4442	0.5122	0.5078	0.9707	0.5825	0.5582	0.6033	0.6077	1.0280	0.5959	0.6327	0.6670	0.6681
	8.0		0.8228	0.6751	0.5959	0.6497	0.6581	1.0154	0.7178	0.6878	0.7591	0.8230	1.0995	0.7409	0.7886	0.8615	0.9088
	10.0		0.8454	0.7311	0.6704	0.7525	0.7671	1.0008	0.7892	0.7852	0.8960	0.9761	1.1054	0.8215	0.9044	1.0041	1.0830
	12.0		0.8074	0.7520	0.7127	0.8242	0.8729	0.9787	0.8235	0.8508	0.9914	1.0828	1.1001	0.8643	0.9850	1.0886	1.2076
50.0	6.0		0.4361	0.1561	0.1414	0.1394	0.1238	0.4552	0.1641	0.1729	0.1538	0.1477	0.4653	0.2061	0.1888	0.1728	0.1609
	8.0		0.4654	0.2174	0.1872	0.1930	0.1792	0.4944	0.2224	0.2320	0.2171	0.2139	0.5102	0.2629	0.2547	0.2433	0.2335
	10.0		0.4676	0.2631	0.2114	0.2350	0.2257	0.5057	0.2714	0.2687	0.2713	0.2696	0.5270	0.2951	0.3016	0.3023	0.2951
	12.0		0.4681	0.2951	0.2329	0.2652	0.2646	0.5160	0.3070	0.3015	0.3124	0.3164	0.5437	0.3133	0.3405	0.3463	0.3472

$T_{min} (G 3)$

l_0/l_m	l_1/l_0	1.0					2.0					4.0					
		L	H	1.0	1.5	2.0	2.5	3.0	1.0	1.5	2.0	2.5	3.0	1.0	1.5	2.0	2.5
0.7	6.0		1.6903	2.1084	2.5863	3.0318	3.0886	2.2929	2.7764	2.9306	3.1668	3.1140	2.7908	3.3815	3.1404	3.2445	3.1279
	8.0		1.4690	2.1170	3.0023	3.6165	3.7237	2.0374	2.9533	3.5723	3.9049	3.8183	2.5193	3.7291	3.9474	4.0811	3.8726
	10.0		1.2974	1.9874	3.0780	3.8927	4.0886	1.8108	2.8660	3.7998	4.3412	4.2823	2.2515	3.7033	4.3048	4.6315	4.3987
	12.0		1.1798	1.8349	3.0199	3.9447	4.2811	1.6469	2.6926	3.8353	4.5217	4.5855	2.0492	3.5285	4.4353	4.9143	4.8790
1.0	6.0		1.5458	1.8102	2.0614	2.3848	2.4563	2.0951	2.3097	2.2785	2.4544	2.4638	2.5330	2.7506	2.4058	2.4933	2.4678
	8.0		1.3541	1.8859	2.4907	2.9137	2.9838	1.8865	2.5686	2.8805	3.0792	3.0245	2.3265	3.1763	3.1253	3.1765	3.0468
	10.0		1.1971	1.8129	2.6401	3.2234	3.3204	1.6842	2.5712	3.1677	3.5042	3.4181	2.0945	3.2635	3.5192	3.6780	3.4740
	12.0		1.0884	1.6979	2.6615	3.3494	3.5356	1.5335	2.4655	3.2924	3.7374	3.7068	1.9114	3.1839	3.7353	3.9889	3.8085
2.0	6.0		1.2775	1.2739	1.2687	1.4685	1.5663	1.7018	1.5067	1.3469	1.4841	1.5660	2.0177	1.7233	1.3902	1.4926	1.5659
	8.0		1.1506	1.4218	1.6217	1.8389	1.9193	1.5953	1.8125	1.7841	1.8854	1.9232	1.9464	2.1513	1.8784	1.9112	1.9253
	10.0		1.0253	1.4425	1.8195	2.1085	2.1593	1.4501	1.9366	2.0662	2.2015	2.1765	1.7971	2.3657	2.2164	2.2549	2.1858
	12.0		0.9352	1.4036	1.9348	2.2782	2.3400	1.3323	1.9510	2.2632	2.4251	2.3803	1.6637	2.4361	2.4726	2.5124	2.4028
4.0	6.0		1.0242	0.8521	0.7571	0.9032	1.0204	1.3137	0.9248	0.7795	0.9023	1.0205	1.5103	1.0180	0.7915	0.9018	1.0206
	8.0		0.9590	0.9959	0.9939	1.1319	1.2247	1.2970	1.1713	1.0512	1.1418	1.2244	1.5442	1.3344	1.0827	1.1471	1.2243
	10.0		0.8713	1.0615	1.1555	1.3164	1.3879	1.2171	1.3233	1.2522	1.3404	1.3887	1.4830	1.5499	1.3071	1.3535	1.3891
	12.0		0.8037	1.0784	1.2803	1.4513	1.5113	1.1424	1.4032	1.4213	1.4943	1.5161	1.4128	1.6811	1.5042	1.5184	1.5187
6.0	6.0		0.8889	0.6669	0.5773	0.7054	0.7293	1.1053	0.6860	0.5770	0.7054	0.7275	1.2441	0.7390	0.5769	0.7054	0.7277
	8.0		0.8508	0.7896	0.7359	0.8482	0.9320	1.1218	0.8819	0.7640	0.8514	0.9320	1.3096	0.9821	0.7792	0.8530	0.9320
	10.0		0.7847	0.8584	0.8646	0.9906	1.0670	1.0762	1.0187	0.9164	1.0001	1.0668	1.2898	1.1648	0.9450	1.0051	1.0666
	12.0		0.7315	0.8910	0.9724	1.0972	1.1663	1.0282	1.1070	1.0520	1.1159	1.1668	1.2559	1.2938	1.0971	1.1261	1.1670
10.0	6.0		0.7389	0.4887	0.4134	0.5133	0.5342	0.8784	0.4958	0.4134	0.5028	0.4874	0.9623	0.4995	0.4134	0.5030	0.4876
	8.0		0.7223	0.5825	0.5125	0.6162	0.6469	0.9133	0.6077	0.5122	0.6162	0.6472	1.0365	0.6580	0.5143	0.6161	0.6474
	10.0		0.6789	0.6417	0.5922	0.6891	0.7565	0.8987	0.7129	0.6133	0.6913	0.7565	1.0489	0.7918	0.6246	0.6925	0.7566
	12.0		0.6425	0.6784	0.6730	0.7663	0.8361	0.8795	0.7911	0.7086	0.7719	0.8360	1.0504	0.8972	0.7281	0.7748	0.8359
50.0	6.0		0.4143	0.1700	0.1202	0.1524	0.1424	0.4331	0.1690	0.1203	0.1399	0.1234	0.4431	0.1685	0.1204	0.1363	0.1160
	8.0		0.4190	0.2153	0.1665	0.2081	0.2023	0.4561	0.2151	0.1666	0.1930	0.1767	0.4763	0.2151	0.1667	0.1898	0.1687
	10.0		0.4049	0.2433	0.1980	0.2493	0.2490	0.4583	0.2445	0.1981	0.2340	0.2197	0.4883	0.2451	0.1982	0.2328	0.2138
	12.0		0.3933	0.2615	0.2224	0.2744	0.2839	0.4632	0.2643	0.2225	0.2632	0.2536	0.5039	0.2657	0.2225	0.2634	0.2526

l_0/l_m	l_1/l_0	6.0					10.0					100.0				
		L	H	1.0	1.5	2.0	2.5	3.0	1.0	1.5	2.0	2.5	3.0	1.0	1.5	2.0
0.7	6.0	3.0565	2.7572	3.3894	3.9463	4.2787	3.2070	3.0060	3.6413	4.0655	4.4267	3.4451	3.3678	3.7647	4.2311	4.6307
	8.0	2.7742	2.9536	3.7889	4.4118	4.6892	2.9256	3.2495	3.9857	4.5652	4.8744	3.1688	3.6915	4.2673	4.7809	5.1317
	10.0	2.4821	2.9000	3.8729	4.5887	4.9024	2.6233	3.2123	4.1265	4.7710	5.0408	2.8520	3.6885	4.5569	5.0308	5.2582
	12.0	2.2603	2.7600	3.9104	4.6851	4.9633	2.3903	3.0659	4.2385	4.9320	5.1875	2.6017	3.5468	4.7310	5.2915	5.5811
1.0	6.0	2.7654	2.3159	2.8071	3.2415	3.5478	2.8941	2.4840	2.9245	3.3328	3.6621	3.0951	2.7643	3.0880	3.5105	3.8190
	8.0	2.5575	2.5375	3.1927	3.6975	3.9960	2.6938	2.7774	3.3445	3.8151	4.1418	2.9108	3.1300	3.5594	3.9792	4.3432
	10.0	2.3077	2.5623	3.3172	3.8982	4.1411	2.4383	2.8243	3.4940	4.0378	4.2787	2.6487	3.2176	3.7481	4.2344	4.5104
	12.0	2.1067	2.4846	3.3455	3.9470	4.2369	2.2309	2.7532	3.5712	4.1042	4.3566	2.4291	3.1630	3.9466	4.3284	4.5332
2.0	6.0	2.1915	1.6223	1.8957	2.1528	2.3401	2.2757	1.6541	1.9670	2.2507	2.4068	0.2403	1.8235	2.0653	2.3848	2.4977
	8.0	2.1299	1.8303	2.2312	2.5385	2.8017	2.2311	1.9382	2.3232	2.6085	2.8904	0.2388	2.1546	2.4514	2.7608	3.0120
	10.0	1.9747	1.8970	2.3764	2.7608	3.0032	2.0796	2.0700	2.4835	2.8441	3.1073	2.2455	2.3217	2.6340	2.9598	3.2509
	12.0	1.8331	1.9205	2.4551	2.8539	3.0719	1.9367	2.1070	2.5759	2.9475	3.1875	2.1024	2.3828	2.7475	3.0784	3.3475
4.0	6.0	1.6387	1.0938	1.2202	1.3795	1.5052	1.6851	1.1053	1.2627	1.4373	1.5445	1.7531	1.1828	1.3207	1.5162	1.5978
	8.0	1.6837	1.2803	1.5035	1.6824	1.8319	1.7477	1.2990	1.5595	1.7578	1.8833	1.8441	1.4204	1.6365	1.3610	1.9533
	10.0	1.6235	1.3686	1.6447	1.8629	2.0595	1.6972	1.4179	1.7099	1.9317	2.1219	1.8103	1.5708	1.8003	2.0530	2.2071
	12.0	1.5517	1.4024	1.7323	1.9810	2.1850	1.6307	1.4921	1.8056	2.0370	2.2559	1.7541	1.6629	1.9078	2.1360	2.3533
6.0	6.0	1.3523	0.8500	0.9175	1.0292	1.0499	1.3830	0.8572	0.9483	1.0708	1.0759	1.4273	0.9242	0.9903	1.1275	1.1113
	8.0	1.4272	1.0201	1.1665	1.3002	1.3821	1.4725	1.0230	1.2079	1.3557	1.4187	1.5392	1.1049	1.2647	1.4314	1.4685
	10.0	1.4099	1.1082	1.3020	1.4660	1.5972	1.4652	1.1248	1.3507	1.5321	1.6423	1.5486	1.2296	1.4178	1.6227	1.7038
	12.0	1.3766	1.1507	1.3092	1.5593	1.7341	1.4394	1.1866	1.4451	1.6215	1.7862	1.5359	1.3139	1.5211	1.7226	1.8575
10.0	6.0	1.0491	0.6178	0.6579	0.7001	0.6885	1.0667	0.6583	0.6782	0.7267	0.7049	1.0915	0.7138	0.7058	0.7628	0.7271
	8.0	1.1316	0.7491	0.8230	0.9074	0.9380	1.1589	0.7557	0.8508	0.9443	0.9614	1.1981	0.8037	0.8888	0.9945	0.9932
	10.0	1.1465	0.8330	0.9455	1.0597	1.1196	1.1820	0.8424	0.9788	1.1047	1.1490	1.2343	0.8973	1.0244	1.1660	1.1890
	12.0	1.1494	0.8790	1.0316	1.1514	1.2504	1.1927	0.8911	1.0695	1.2023	1.2850	1.2575	0.9638	1.1217	1.2720	1.3321
50.0	6.0	0.4688	0.2204	0.1942	0.1807	0.1654	0.4716	0.2319	0.1984	0.1871	0.1689	0.4755	0.2474	0.2042	0.1957	0.1738
	8.0	0.5158	0.2825	0.2623	0.2546	0.2402	0.5203	0.2982	0.2684	0.2637	0.2455	0.5266	0.3196	0.2768	0.2760	0.2526
	10.0	0.5346	0.3185	0.3127	0.3167	0.3037	0.5408	0.3375	0.3216	0.3282	0.3105	0.5495	0.3633	0.3337	0.3439	0.3199
	12.0	0.5538	0.3369	0.3537	0.3632	0.3576	0.5622	0.3582	0.3643	0.3768	0.3660	0.5739	0.3874	0.3787	0.3952	0.3773

l_0/l_m	l_1/l_0	6.0					10.0					100.0				
		L	H	1.0	1.5	2.0	2.5	3.0	1.0	1.5	2.0	2.5	3.0	1.0	1.5	2.0
0.7	6.0	3.0096	3.6203	3.2174	3.2722	3.1328	3.2115	3.8276	3.2818	3.2950	3.1368	3.6748	4.1337	3.3731	3.3270	3.1422
	8.0	2.7351	4.0494	4.0908	4.1458	3.8920	2.9365	4.3345	4.2133	4.2001	3.9080	3.4183	4.7678	4.4593	4.2770	3.9302
	10.0	2.4507	4.0600	4.5016	4.7416	4.4411	2.6378	4.3830	4.6785	4.9178	4.4980	3.0902	4.8842	5.0796	5.2593	4.6290
	12.0	2.2317	3.8922	4.6800	5.1728	5.0381	2.4035	4.2255	4.8962	5.4347	5.1723	2.8202	4.7506	5.4124	5.9115	5.4758
1.0	6.0	2.7238	2.9212	2.4516	2.5070	2.4691	2.8981	3.0671	2.4895	2.5182	2.4703	3.2953	3.2791	2.5428	2.5336	2.4717
	8.0	2.5231	3.4222	3.2165	3.2115	3.0547	2.7053	3.6378	3.2934	3.2405	3.0612	3.1424	3.9597	3.4129	3.2813	3.0704
	10.0	2.2803	3.5534	3.6544	3.7422	3.4941	2.4539	3.8123	3.7702	3.7961	3.5108	2.8767	4.2074	4.0206	3.9212	3.5340
	12.0	2.0837	3.4924	3.9107	4.0842	3.8459	2.2456	3.7717	4.0634	4.2489	3.9119	2.6412	4.2052	4.4211	4.5478	4.0266
2.0	6.0	2.1495	1.8033	1.4054	1.4955	1.5658	2.2668	1.8700	1.4177	1.4978	1.5658	2.5245	1.9645	1.4349	1.5012	1.5658
	8.0	2.0982	2.2812	1.9121	1.9203	1.9260	2.2363	2.3919	1.9400	1.9276	1.9266	2.5656	2.5518	1.9790	1.9378	1.9273
	10.0	1.9506	2.5360	2.2713	2.2739	2.1891	2.0920	2.6837	2.3173	2.2895	2.1918	2.4388	2.9013	2.3824	2.3114	2.1953
	12.0	1.8125	2.6342	2.5512	2.5440	2.4107	1.9510	2.8086	2.6178	2.5703	2.4173	2.2934	3.0703	2.7443	2.6075	2.4262
4.0	6.0	1.5880	1.0513	0.7956	0.9016	1.0206	1.6552	1.0786	0.7989	0.9015	1.0206	1.7852	1.1166	0.8034	0.9012	1.0208
	8.0	1.6462	1.3942	1.0937	1.1490	1.2242	1.7365	1.4440	1.1027	1.1504	1.2242	1.9438	1.5141	1.1150	1.1524	1.2243
	10.0	1.5961	1.6352	1.3265	1.3580	1.3892	1.6979	1.7072	1.3425	1.3617	1.3893	1.9452	1.8101	1.3647	1.3667	1.3896
	12.0	1.5306	1.7886	1.5340	1.5268	1.5196	1.6382	1.8804	1.5587	1.5338	1.5203	1.9046	2.0138	1.5934	1.5432	1.5214
6.0	6.0	1.2973	0.7576	0.5768	0.7054	0.7277	1.3426	0.7728	0.5768	0.7054	0.7278	1.4142	0.7937	0.5767	0.7054	0.7280
	8.0	1.3846	1.0181	0.7844	0.8536	0.9320	1.4498	1.0478	0.7887	0.8541	0.9321	1.5910	1.0892	0.7945	0.8546	0.9321
	10.0	1.3780	1.2184	0.9549	1.0069	1.0666	1.4562	1.2631	0.9631	1.0083	1.0666	1.6416	1.3261	0.9742	1.0103	1.0665
	12.0	1.3527	1.3639	1.1131	1.1296	1.1671	1.4397	1.4229	1.1261	1.1325	1.1672	1.6535	1.5073	1.1443	1.1364	1.1673
10.0	6.0	0.9934	0.5008	0.4134	0.5031	0.4876	1.0193	0.5064	0.4134	0.5031	0.4877	1.0561	0.5152	0.4135	0.5033	0.4877
	8.0	1.0838	0.6758	0.5160	0.6161	0.6474	1.1241	0.6903	0.5173	0.6161	0.6475	1.1965	0.7103	0.5192	0.6161	0.6475
	10.0	1.1085	0.8200	0.6285	0.6929	0.7566	1.1602	0.8433	0.6316	0.6932	0.7566	1.2740	0.8756	0.6360	0.6937	0.7565
	12.0	1.1204	0.9358	0.7349	0.7759	0.8358	1.1820	0.9678	0.7404	0.7767	0.8358	1.3283	1.0127	0.7481	0.7778	0.8357
50.0	6.0	0.4465	0.1683	0.1204	0.1363	0.1160	0.4494	0.1682	0.1204	0.1363	0.1160	0.4532	0.1680	0.1204	0.1364	0.1160
	8.0	0.4834	0.2150	0.1667	0.1898	0.1687	0.4892	0.2150	0.1667	0.1898	0.1687	0.4973	0.2150	0.1668	0.1898	0.1687
	10.0	0.4990	0.2453	0.1982	0.2328	0.2138	0.5078	0.2455	0.1982	0.2329	0.2139	0.5201	0.2457	0.1982	0.2329	0.2139
	12.0	0.5188	0.2662	0.2225	0.2634	0.2527	0.5311	0.2666	0.2225	0.2635	0.2527	0.5485	0.2672	0.2225	0.2635	0.2527

2. 床版

$T_{min}+5$ (G 2)

l_0/l_m	l_1/l_0		1.0					2.0					4.0				
	L	H	1.0	1.5	2.0	2.5	3.0	1.0	1.5	2.0	2.5	3.0	1.0	1.5	2.0	2.5	3.0
			6.0	8.0	10.0	12.0	6.0	8.0	10.0	12.0	6.0	8.0	10.0	12.0	6.0	8.0	10.0
0.7			2.5034	2.6817	2.9401	3.6021	4.2707	3.0647	3.2284	3.8049	4.7192	5.1575	3.5298	3.6235	4.6391	5.8842	5.6610
			2.1772	2.4986	2.9183	3.6686	4.4829	2.6882	3.0700	3.9070	4.9545	5.5556	3.1162	3.5166	4.8848	5.7679	6.1931
			1.9207	2.2525	2.7191	3.5180	4.3839	2.3765	2.7987	3.7220	4.9290	5.5594	2.7598	3.2592	4.7985	6.0342	6.3577
			1.7493	2.0442	2.5155	3.3313	4.2266	2.1643	2.5501	3.4918	4.8344	5.6393	2.5125	2.9895	4.6108	6.0197	6.5770
1.0			2.2946	2.4189	2.5789	3.1099	3.6337	2.8146	2.8700	3.2697	4.0111	4.3329	3.2431	3.1895	3.9358	4.5321	4.7521
			2.0029	2.3004	2.6280	3.2461	3.9144	2.4821	2.8041	3.4500	4.3042	4.7758	2.8839	3.1858	4.2541	4.9486	5.2731
			1.7656	2.0961	2.4919	3.1723	3.8970	2.1977	2.5941	3.3554	4.3122	4.8553	2.5601	3.0016	4.2161	5.0781	5.4301
			1.6100	1.9102	2.3301	3.0140	3.7726	1.9999	2.3806	3.1947	4.2353	4.7901	2.3290	2.7860	4.1311	5.1880	5.5005
2.0			1.9356	1.9193	1.9253	2.2440	2.5242	2.3700	2.2029	2.3577	2.8230	2.9630	2.7165	2.3862	2.7802	3.1436	3.3635
			1.7132	1.9174	2.0675	2.4651	2.8882	2.1325	2.2755	2.6047	3.1662	3.4337	2.4789	2.5259	3.1287	3.5686	3.7764
			1.5173	1.8002	2.0367	2.5018	2.9896	1.9006	2.1857	2.6336	3.2802	3.6135	2.2228	2.4705	3.2183	3.7439	3.9678
			1.3801	1.6657	1.9571	2.4443	2.9761	1.7299	2.0508	2.5894	3.2655	3.6538	2.0262	2.3503	3.2143	3.7725	4.0491
4.0			1.6081	1.4473	1.3588	1.5369	1.6895	1.9410	1.6047	1.6308	1.8717	2.0629	2.1902	1.6985	1.8957	2.0597	2.3118
			1.4637	1.5273	1.5423	1.7678	1.9895	1.8124	1.7478	1.8786	2.2165	2.3458	2.0887	1.8883	2.2113	2.4636	2.6573
			1.3891	1.4920	1.5800	1.8712	2.1626	1.6423	1.7528	1.9618	2.3816	2.5514	1.9149	1.9292	2.3392	2.6701	2.8424
			1.1942	1.4163	1.5668	1.8838	2.2285	1.5058	1.6971	1.9862	2.4328	2.6616	1.7658	1.8963	2.3932	2.7509	2.9029
6.0			1.4228	1.1968	1.0734	1.1977	1.2038	1.6914	1.3042	1.2843	1.4336	1.5166	1.8826	1.3660	1.4836	1.5924	1.6875
			1.3252	1.3029	1.2645	1.4142	1.5404	1.6249	1.4596	1.5211	1.7468	1.8637	1.8535	1.5547	1.7749	1.9296	2.0935
			1.1984	1.3047	1.3269	1.5345	1.7290	1.4960	1.4987	1.6170	1.9267	2.0315	1.7327	1.6230	1.9055	2.1433	2.3038
			1.0991	1.2617	1.3408	1.5760	1.8257	1.3846	1.4799	1.6615	2.0028	2.1516	1.6133	1.6266	1.9736	2.2433	2.4012
10.0			1.1971	0.9168	0.7956	0.8455	0.8286	1.3881	0.9810	0.9227	0.9798	1.0426	1.5153	1.0168	1.0594	1.1237	1.1532
			1.1523	1.0374	0.9520	1.0509	1.0720	1.3849	1.1351	1.1377	1.2597	1.3426	1.5518	1.1916	1.3161	1.3924	1.4956
			1.0627	1.0708	1.0336	1.1637	1.2521	1.3060	1.1968	1.2404	1.4276	1.5204	1.4936	1.2727	1.4456	1.5758	1.7060
			0.9862	1.0609	1.0713	1.2191	1.3669	1.2324	1.2092	1.2984	1.5240	1.6198	1.4263	1.3024	1.5251	1.6911	1.8311
50.0			0.6268	0.3111	0.2503	0.2545	0.2294	0.6713	0.3195	0.3117	0.2881	0.2737	0.6963	0.3631	0.3431	0.3224	0.2991
			0.6518	0.4060	0.3076	0.3333	0.3209	0.7168	0.4224	0.4011	0.3918	0.3833	0.7550	0.4311	0.4525	0.4349	0.4204
			0.6429	0.4641	0.3765	0.3986	0.3899	0.7250	0.4885	0.4530	0.4697	0.4678	0.7753	0.5017	0.5156	0.5184	0.5151
			0.6316	0.4968	0.4297	0.4420	0.4409	0.7303	0.5285	0.4953	0.5201	0.5448	0.7938	0.5459	0.5678	0.5856	0.6016

$T_{min}+5$ (G 3)

l_0/l_m	l_1/l_0		1.0					2.0					4.0				
	L	H	1.0	1.5	2.0	2.5	3.0	1.0	1.5	2.0	2.5	3.0	1.0	1.5	2.0	2.5	3.0
			6.0	8.0	10.0	12.0	6.0	8.0	10.0	12.0	6.0	8.0	10.0	12.0	6.0	8.0	10.0
0.7			2.0685	2.7794	3.9124	4.6650	4.7032	2.7834	3.8655	4.7046	5.0732	4.8372	3.3941	4.9070	5.2390	5.3266	4.9148
			1.7774	2.6052	4.1237	5.1954	5.4831	2.4388	3.7634	5.2017	5.8959	5.8147	3.0007	4.9047	5.9914	6.3655	6.0196
			1.5686	2.3588	3.9541	5.2517	5.7723	2.1578	3.4669	5.1390	6.1678	6.3079	2.6606	4.5803	6.0550	6.8396	6.9596
			1.4282	2.1399	3.7015	5.0667	5.7947	1.9652	3.1644	4.9028	6.0990	6.5980	2.4224	4.2266	5.8680	6.9832	7.4983
1.0			1.8889	2.4913	3.2795	3.7777	3.7684	2.5599	3.3964	3.8356	4.0179	3.8278	3.1233	4.2411	4.1927	4.1609	3.8611
			1.6334	2.3976	3.6145	4.3699	4.4888	2.2521	3.4252	4.4442	4.8313	4.6672	2.7792	4.4131	5.0229	5.1257	4.7729
			1.4422	2.1984	3.5677	4.5636	4.8450	1.9956	3.2166	4.5389	5.2223	5.1697	2.4702	4.2189	5.2577	5.6695	5.4416
			1.3125	2.0049	3.4042	4.5111	4.9803	1.8159	2.9644	4.4352	5.3033	5.4489	2.2473	3.9251	5.2337	5.9036	6.0398
2.0			1.5948	1.9121	2.1931	2.3974	2.4191	2.1608	2.4651	2.4150	2.4681	2.4258	2.6221	2.9617	2.5578	2.5076	2.4295
			1.3926	1.9665	2.6034	2.9278	2.9396	1.9355	2.6992	3.0302	3.0955	2.9776	2.3925	3.3668	3.3007	3.1941	2.9987
			1.2305	1.8742	2.7392	3.2373	3.2733	1.7247	2.6718	3.3084	3.5214	3.3659	2.1477	3.4180	3.6914	3.6971	3.4193
			1.1188	1.7459	2.7441	3.3621	3.4888	1.5694	2.5425	3.4160	3.7540	3.6521	1.9576	3.3062	3.3923	4.0079	3.7501
4.0			1.3241	1.3619	1.3450	1.4765	1.6048	1.7692	1.6319	1.4339	1.4925	1.6045	2.1099	1.8821	1.4833	1.5810	1.6044
			1.1854	1.5033	1.7109	1.8486	1.8903	1.6443	1.9383	1.8922	1.8959	1.8938	2.0153	2.3215	1.9983	1.9221	1.8957
			1.0540	1.5104	1.9087	2.1192	2.1271	1.4881	2.0470	2.1810	2.2135	2.1431	1.8503	2.5235	2.3479	2.2676	2.1518
			0.9604	1.4586	2.0179	2.2890	2.3058	1.3638	2.0428	2.3760	2.4377	2.3437	1.7068	2.5731	2.6066	2.5261	2.3649
6.0			1.1717	1.0856	0.9980	1.1063	1.1749	1.5388	1.2396	1.0434	1.1119	1.1748	1.8062	1.3971	1.0680	1.1148	1.1747
			1.0715	1.2392	1.2958	1.3939	1.4556	1.4724	1.5286	1.3976	1.4140	1.4556	1.7844	1.7863	1.4550	1.4248	1.4556
			0.9611	1.2850	1.4827	1.6145	1.6434	1.3537	1.6741	1.6451	1.6586	1.6470	1.6719	2.0136	1.7403	1.6831	1.6489
			0.8797	1.2728	1.6110	1.7687	1.7871	1.2525	1.7231	1.8370	1.8436	1.7993	1.5633	2.1205	1.9751	1.8864	1.8060
10.0			0.9895	0.8022	0.6817	0.7936	0.8181	1.2587	0.8585	0.6959	0.7933	0.8185	1.4414	0.9408	0.7046	0.7931	0.8187
			0.9318	0.9414	0.8946	0.9714	1.0386	1.2515	1.0921	0.9399	0.9770	1.0385	1.4854	1.2385	0.9645	0.9800	1.0384
			0.8496	1.0091	1.0448	1.1323	1.1834	1.1805	1.2414	1.1231	1.1472	1.1833	1.4355	1.4471	1.1669	1.1552	1.1832
			0.7856	1.0311	1.1647	1.2519	1.2911	1.1125	1.3248	1.2808	1.2799	1.2926	1.3747	1.5799	1.3480	1.2953	1.2934
50.0			0.5556	0.2979	0.2265	0.2734	0.2581	0.6154	0.2985	0.2267	0.2542	0.2259	0.6491	0.2987	0.2268	0.2507	0.2162
			0.5520	0.3605	0.2957	0.3493	0.3486	0.6461	0.3643	0.2958	0.3319	0.3099	0.7019	0.3663	0.2959	0.3321	0.3053
			0.5289	0.3999	0.3376	0.3914	0.4056	0.6490	0.4081	0.3375	0.3887	0.3754	0.7237	0.4236	0.3374	0.3889	0.3755
			0.5102	0.4269	0.3689	0.4233	0.4358	0.6529	0.4472	0.3688	0.4233	0.4308	0.7462	0.4854	0.3694	0.4234	0.4310

l_0/l_m	l_1/l_0	6.0					10.0					100.0						
		L	H	1.0	1.5	2.0	2.5	3.0	1.0	1.5	2.0	2.5	3.0	1.0	1.5	2.0	2.5	3.0
0.7	6.0	3.7366	3.9287	4.9582	5.6258	5.8407	3.9291	4.3814	5.2197	5.8271	6.0741	4.2396	4.9378	5.6122	6.1109	6.3988		
	8.0	3.3081	3.8756	5.3377	6.0906	6.4245	3.4878	4.3078	5.7755	6.3986	6.6171	3.7792	4.9750	6.4811	6.8448	7.0113		
	10.0	2.9821	3.6049	5.3427	6.4705	6.6988	3.0939	4.0255	5.8294	6.8497	7.0517	3.3570	4.6847	6.5740	7.4108	7.5566		
	12.0	2.6689	3.3165	5.1676	6.5006	6.9387	2.8157	3.7068	5.6722	6.9219	7.2877	3.0546	4.3320	6.4572	7.5666	7.9645		
1.0	6.0	3.4324	3.4095	4.1812	4.7134	4.9767	3.6080	3.7408	4.3872	4.8725	5.1606	3.8891	4.2321	4.6799	5.0879	5.4150		
	8.0	3.0637	3.4831	4.5623	5.1856	5.4508	3.2318	3.8560	4.8455	5.3842	5.5977	3.5038	4.4242	5.3435	5.6663	5.8892		
	10.0	2.7232	3.3088	4.6470	5.4085	5.6397	2.8763	3.6844	5.0393	5.6916	5.8546	3.1251	4.2667	5.6294	6.1036	6.2371		
	12.0	2.4773	3.0846	4.6033	5.5642	5.7920	2.6165	3.4375	5.0259	5.8913	6.0981	2.8433	4.0037	5.6732	6.3756	6.5364		
2.0	6.0	2.8658	2.4558	2.9309	3.2558	3.5017	3.0022	2.6572	3.0553	3.3476	3.6140	3.2163	2.9635	3.2269	3.5244	3.7681		
	8.0	2.6318	2.6799	3.3211	3.7120	3.9518	2.7735	2.9384	3.4821	3.8303	4.0952	2.9999	3.3205	3.7104	3.9954	4.2934		
	10.0	2.3669	2.6799	3.4389	3.9124	4.0933	2.5014	2.9591	3.6262	4.0527	4.2355	2.7184	3.3806	3.8976	4.2505	4.4636		
	12.0	2.1596	2.5800	3.4563	3.9604	4.1912	2.2846	2.8630	3.7190	4.1186	4.3088	2.4875	3.2975	4.1196	4.3441	4.4889		
4.0	6.0	2.2933	1.7326	1.9882	2.1626	2.3968	2.3851	1.7816	2.0637	2.2610	2.4655	2.5251	1.9668	2.1680	2.3959	2.5593		
	8.0	2.2072	1.9413	2.3296	2.5498	2.7646	2.3149	2.0748	2.4272	2.6203	2.8517	2.4833	2.3114	2.5631	2.7720	2.9712		
	10.0	2.0343	2.0120	2.4746	2.7721	2.9680	2.1444	2.1993	2.5881	2.8559	3.0705	2.3189	2.4732	2.7479	2.9723	3.2116		
	12.0	1.8813	2.0219	2.5505	2.8648	3.0393	1.9887	2.2223	2.6786	2.9589	3.1531	2.1609	2.5203	2.8609	3.0906	3.3105		
6.0	6.0	1.9597	1.3880	1.5526	1.6823	1.7454	2.0270	1.4061	1.6087	1.7551	1.7921	2.1276	1.5294	1.6857	1.8545	1.8557		
	8.0	1.9491	1.5896	1.8640	1.9981	2.1722	2.0348	1.6474	1.9369	2.0914	2.2358	2.1664	1.8236	2.0380	2.2195	2.3227		
	10.0	1.8344	1.6700	2.0083	2.2190	2.3977	1.9269	1.7856	2.0931	2.2808	2.4739	2.0717	1.9915	2.2113	2.4027	2.5785		
	12.0	1.7206	1.6896	2.0934	2.3282	2.5066	1.8149	1.8460	2.1688	2.3979	2.5926	1.9643	2.0744	2.3231	2.4948	2.7109		
10.0	6.0	1.5643	1.0293	1.1063	1.1840	1.1905	1.6064	1.0395	1.1443	1.2327	1.2205	1.6678	1.1105	1.1961	1.2989	1.2613		
	8.0	1.6191	1.2118	1.3780	1.4717	1.5475	1.6781	1.2285	1.4283	1.5359	1.5894	1.7666	1.3350	1.4977	1.6236	1.6463		
	10.0	1.5708	1.3005	1.5175	1.6372	1.7695	1.6398	1.3371	1.5764	1.7130	1.8208	1.7453	1.4793	1.6578	1.8171	1.8908		
	12.0	1.5090	1.3372	1.6055	1.7493	1.9038	1.5840	1.4118	1.6717	1.7968	1.9628	1.7008	1.5706	1.7638	1.9102	2.0435		
50.0	6.0	0.7051	0.3909	0.3554	0.3375	0.3077	0.7123	0.4134	0.3652	0.3496	0.3145	0.7222	0.4440	0.3785	0.3660	0.3237		
	8.0	0.7637	0.4639	0.4699	0.4559	0.4329	0.7801	0.4932	0.4839	0.4728	0.4429	0.7961	0.5334	0.5030	0.4957	0.4564		
	10.0	0.7939	0.5062	0.5369	0.5444	0.5310	0.8095	0.5264	0.5541	0.5653	0.5438	0.8317	0.5731	0.5775	0.5937	0.5610		
	12.0	0.8178	0.5519	0.5925	0.6165	0.6207	0.8383	0.5569	0.6125	0.6414	0.6360	0.8678	0.5901	0.6398	0.6753	0.6568		

l_0/l_m	l_1/l_0	6.0					10.0					100.0						
		L	H	1.0	1.5	2.0	2.5	3.0	1.0	1.5	2.0	2.5	3.0	1.0	1.5	2.0	2.5	3.0
0.7	6.0	3.6675	5.3444	5.4463	5.4206	4.9426	3.9229	5.7373	5.6246	5.4996	4.9655	4.5114	6.3411	5.9750	5.6120	4.9975		
	8.0	3.2541	5.4013	6.3124	6.5736	6.1751	3.4920	5.8566	6.5957	6.8909	6.3247	4.0562	6.5740	7.2442	7.4400	6.5590		
	10.0	2.8879	5.0745	6.4899	7.3225	7.2295	3.1018	5.5332	6.7858	7.7453	7.5253	3.6114	6.2667	7.6044	8.5383	8.0858		
	12.0	2.6290	4.6747	6.2886	7.5377	7.8865	2.8233	5.1120	6.6622	8.0305	8.3729	3.2866	5.8180	7.5639	8.9815	9.0894		
1.0	6.0	3.3743	4.5867	4.3275	4.2128	3.8729	3.6079	4.8927	4.4417	4.2559	3.8825	4.1456	5.3549	4.6279	4.3165	3.8957		
	8.0	3.0167	4.8342	5.2516	5.2365	4.8112	3.2394	5.2158	5.4503	5.3355	4.8430	3.7697	5.8083	5.8922	5.6664	4.8878		
	10.0	2.6852	4.6572	5.5519	5.9427	5.6129	2.8875	5.0601	5.8123	6.2414	5.7572	3.3726	5.6971	6.4274	6.7793	6.0525		
	12.0	2.4428	4.3518	5.5696	6.3214	6.2759	2.6268	4.7478	5.8715	6.6871	6.5503	3.0689	5.3813	6.5959	7.3784	7.0404		
2.0	6.0	2.8228	3.1540	2.6094	2.5215	2.4307	3.0069	3.3194	2.6523	2.5329	2.4317	3.4275	3.5609	2.7125	2.5488	2.4331		
	8.0	2.5960	3.6376	3.4021	3.2296	3.0062	2.7851	3.8761	3.4876	3.2590	3.0122	3.2383	4.2345	3.6326	3.3002	3.0205		
	10.0	2.3383	3.7309	3.6397	3.7620	3.4384	2.5167	4.0117	3.9671	3.8166	3.4542	2.9902	4.4429	4.2487	3.9464	3.4763		
	12.0	2.1335	3.6340	4.0623	4.1042	3.7858	2.2989	3.9323	4.2482	4.2729	3.8369	2.7020	4.3977	4.6396	4.5752	3.9478		
4.0	6.0	2.2522	1.9743	1.5006	1.5040	1.6044	2.3795	2.0516	1.5148	1.5064	1.6043	2.6620	2.1613	1.5345	1.5097	1.6042		
	8.0	2.1757	2.4685	2.0364	1.9313	1.8964	2.3221	2.5944	2.0679	1.9388	1.8969	2.6721	2.7772	2.1122	1.9491	1.8975		
	10.0	2.0101	2.7129	2.4095	2.2869	2.1548	2.1579	2.8781	2.4610	2.3027	2.1573	2.5201	3.1230	2.5342	2.3249	2.1608		
	12.0	1.8603	2.7900	2.6937	2.5582	2.3724	2.0034	2.9520	2.7676	2.5848	2.3786	2.3568	3.2719	2.9154	2.6224	2.3871		
6.0	6.0	1.9145	1.4538	1.0765	1.1158	1.1747	2.0098	1.5008	1.0834	1.1166	1.1747	2.2121	1.5668	1.0931	1.1177	1.1746		
	8.0	1.9159	1.8824	1.4753	1.4285	1.4556	2.0344	1.9634	1.4919	1.4316	1.4556	2.3140	2.0790	1.5169	1.4356	1.4555		
	10.0	1.8097	2.1443	1.7745	1.6916	1.6496	1.9356	2.2563	1.8029	1.6987	1.6501	2.2440	2.4194	1.8427	1.7084	1.6510		
	12.0	1.7005	2.2778	2.0259	1.9017	1.8083	1.8272	2.4147	2.0684	1.9142	1.8102	2.1414	2.6172	2.1236	1.9316	1.8126		
10.0	6.0	1.5124	0.9697	0.7075	0.7930	0.8187	1.5736	0.9935	0.7099	0.7930	0.8188	1.6878	1.0264	0.7133	0.7929	0.8189		
	8.0	1.5804	1.2915	0.9730	0.9810	1.0384	1.6641	1.3354	0.9800	0.9819	1.0383	1.8544	1.3971	0.9694	0.9830	1.0384		
	10.0	1.5424	1.5235	1.1823	1.1579	1.1832	1.6383	1.5877	1.1950	1.1602	1.1832	1.8701	1.6791	1.2126	1.1634	1.1832		
	12.0	1.4874	1.6770	1.3720	1.3007	1.2937	1.5900	1.7596	1.3918	1.3050	1.2939	1.8437	1.8792	1.4194	1.3112	1.2943		
50.0	6.0	0.6610	0.2988	0.2268	0.2507	0.2162	0.6707	0.2989	0.2268	0.2508	0.2162	0.6842	0.2990	0.2269	0.2508	0.2162		
	8.0	0.7220	0.3670	0.2959	0.3322	0.3054	0.7388	0.3676	0.2959	0.3322	0.3054	0.7623	0.3684	0.2959	0.3323	0.3055		
	10.0	0.7515	0.4324	0.3374	0.3889	0.3755	0.7748	0.4396	0.3374	0.3890	0.3756	0.8080	0.4495	0.3374	0.3891	0.3757		
	12.0	0.7818	0.4988	0.3706	0.4234	0.4310	0.8122	0.5097	0.3715	0.4234	0.4311	0.8712	0.5248	0.3727	0.4234	0.4311		