

実験1 完全観測

Datetime	2015-12-04-18-23-58					
Monitoring type	perfect					
RandomSeed	282					
Repeats	1000					
Average ts_length	32.856					
Number of strategies	10					
Str_numbers	Strategy name	Avarage(session based)	Rank(session based)	Avarage(stage based)	Rank(stage based)	備考
10	yamagishi_impd.yamagishi	3.785542333	1	3.69566526	1	TFT
4	ikegami_perfect.Self_Centered_perfect	3.709163441	2	3.569823202	2	30%
7	beeleb_Strategy.beeleb	3.707132242	3	3.56862944	3	
2	mhanami_Public_Strategy.PubStrategy	3.695745756	4	3.560563942	4	TFT'
8	oyama.OyamaPerfectMonitoring	3.695585282	5	3.560097259	5	GT
6	gistfile1.MyStrategy	3.689240046	6	3.521959459	6	TFT'
1	Iida_perfect_monitoring.Iida_pm	3.638486141	7	3.386765144	8	
5	tsuyoshi.GrimTrigger	3.617644214	8	3.408783784	7	TFT'
9	ogawa.ogawa	3.479693556	9	3.13531775	9	
3	kato.KatoStrategy	3.046090794	10	2.713737386	10	

実験1 完全観測

平均利得テーブル(セッションベース平均)										
	1	2	3	4	5	6	7	8	9	10
1	0	3.395931613	2.514276668	3.951805194	3.806575339	4.146340813	4.146340813	3.393947155	3.587834089	3.803323581
2	3.519225538	0	2.427935393	4	4	4	4	4	3.314550873	4
3	2.912447251	2.233822565	0	2.292295131	3.408259642	3.972718333	3.813636848	2.233822565	3.641369507	2.906445302
4	3.462945771	4	2.460407958	0	4	4	4	4	3.459117237	4
5	3.292387743	4	1.892537818	4	0	4	4	4	3.373872365	4
6	3.414636749	4	2.309665695	4	4	0	4	4	3.478857973	4
7	3.414636749	4	2.415720019	4	4	4	0	4	3.533833413	4
8	3.517781276	4	2.427935393	4	4	4	4	0	3.314550873	4
9	3.25685229	3.254267494	2.500542422	3.904167344	3.792283379	3.89653055	3.81505633	3.254267494	0	3.643274697
10	3.784350527	4	2.690223893	4	4	4	4	4	3.595306575	0

平均利得テーブル(ステージベース平均)										
	1	2	3	4	5	6	7	8	9	10
1	0	2.794345021	2.197559046	3.694758948	3.626947894	4.285153397	4.285153397	2.788470903	3.106768931	3.701728756
2	3.055332359	0	2.169679815	4	4	4	4	4	2.820063307	4
3	2.490808376	2.037436085	0	2.065619674	3.418066715	3.59477721	3.211376917	2.037436085	3.044162406	2.523953007
4	3.008582907	4	2.193906745	0	4	4	4	4	2.925919162	4
5	2.568845873	4	1.40230095	4	0	4	4	4	2.707907232	4
6	2.859386413	4	1.930241052	4	4	0	4	4	2.90800767	4
7	2.859386413	4	2.185841247	4	4	4	0	4	3.072437302	4
8	3.051132213	4	2.169679815	4	4	4	4	0	2.820063307	4
9	2.805073655	2.767104943	2.275809593	3.617573655	3.683528123	3.666316654	3.418492817	2.767104943	0	3.216855369
10	3.686054298	4	2.417579742	4	4	4	4	4	3.157353299	0

実験2 不完全公的観測

Datetime	2015-12-04-19-27-41					
Monitoring type	public					
RandomSeed	282					
Repeats	1000					
Average ts_length	32.856					
Number of strategies	10					
Str_numbers	Strategy name	Avarage(session based)	Rank(session based)	Avarage(stage based)	Rank(stage based)	備考
2	mhanami_Imperfect_Public_Strategy.ImPubStrategy	3.426505902	1	3.085798636	1	ALLD
3	kato.KatoStrategy	3.300688557	2	3.082721235	2	
4	ikegami_imperfect_public.Self_Centered_public	3.204767877	3	3.024595541	4	25%
8	oyama.OyamaImperfectPublicMonitoring	3.164308602	4	3.06851446	3	GT'
1	lida_imperfect_public.lida_ipm	3.15370844	5	2.949672646	5	
10	yamagishi_impd.yamagishi	3.060373179	6	2.824435922	7	TFT
9	ogawa.ogawa	3.02123959	7	2.910746896	6	
5	tsuyoshi.GrimTrigger	2.873939966	8	2.566333225	8	TFT'
7	beeleb_Strategy.beeleb	2.80155086	9	2.545187079	9	
6	gistfile1.MyStrategy	2.781473904	10	2.45014271	10	TFT'

実験2 不完全公的観測

平均利得テーブル(セッションベース平均)										
	1	2	3	4	5	6	7	8	9	10
1	0.000	1.283	2.175	3.073	3.767	4.099	4.080	3.118	3.460	3.329
2	3.076	0.000	2.473	2.593	4.045	4.412	4.283	3.088	3.678	3.190
3	3.005	1.684	0.000	2.824	3.821	4.251	4.185	3.113	3.621	3.202
4	3.117	1.604	2.296	0.000	3.749	4.046	4.014	3.225	3.423	3.369
5	2.743	0.636	1.742	3.017	0.000	3.999	4.062	2.927	3.319	3.420
6	2.636	0.392	1.661	3.114	3.576	0.000	3.990	2.912	3.296	3.455
7	2.621	0.478	1.753	3.128	3.539	3.969	0.000	2.954	3.342	3.430
8	3.107	1.275	2.253	3.175	3.745	4.071	3.997	0.000	3.511	3.344
9	2.892	0.881	2.005	3.175	3.668	4.049	4.002	3.126	0.000	3.392
10	3.002	1.207	2.043	3.103	3.737	3.959	3.998	3.133	3.362	0.000

平均利得テーブル(ステージベース平均)										
	1	2	3	4	5	6	7	8	9	10
1	0.000	1.493	1.927	2.670	3.716	4.148	4.027	2.523	2.939	3.105
2	2.761	0.000	2.166	2.200	3.898	4.285	3.929	2.488	3.087	2.960
3	2.725	1.890	0.000	2.427	3.791	4.238	3.992	2.568	3.125	2.990
4	2.759	1.867	2.126	0.000	3.673	4.053	3.943	2.714	2.892	3.194
5	2.177	0.735	1.311	2.705	0.000	3.990	4.053	2.206	2.618	3.303
6	2.009	0.477	1.185	2.870	3.463	0.000	3.983	2.179	2.533	3.352
7	2.058	0.714	1.396	3.039	3.435	3.963	0.000	2.304	2.652	3.346
8	2.817	1.675	2.140	2.970	3.746	4.126	3.923	0.000	3.064	3.155
9	2.571	1.275	1.866	2.931	3.656	4.111	3.942	2.646	0.000	3.200
10	2.577	1.360	1.749	2.841	3.684	3.936	3.939	2.544	2.789	0.000

実験3 不完全私的観測(尾山ゼミの戦略のみ)

Monitoring type	private					
RandomSeed	282					
Repeats	1000					
Average ts_length	32.856					
Number of strategies	10					
Str_numbers	Strategy name	Avarage(session based)	Rank(session based)	Avarage(stage based)	Rank(stage based)	備考
7	beeleb_Strategy.beeleb	3.458461687	1	3.293973027	1	
10	yamagishi_impd.yamagishi	3.445953725	2	3.239141168	3	TFT
2	mhanami_Imperfect_Private_Strategy.ImPrivStrategy	3.445605137	3	3.256924154	2	2T2FT
6	gistfile1.MyStrategy	3.426852855	4	3.213336647	4	TFT'
8	oyama.OyamaImperfectPrivateMonitoring	3.405064024	5	3.178198469	5	TFT'
1	Iida_imperfect_private.Iida_iprm	3.389575102	6	3.114596015	7	
9	ogawa.ogawa	3.389554064	7	3.095465398	8	
4	ikegami_imperfect_private.Self_Centered_private	3.374520784	8	3.137879433	6	20%
5	tsuyoshi.GrimTrigger	3.244853934	9	2.928183251	9	TFT'
3	kato.KatoStrategy	3.240895862	10	2.899218475	10	

実験3 不完全私的観測(尾山ゼミの戦略のみ)

平均利得テーブル(セッションベース平均)										
	1	2	3	4	5	6	7	8	9	10
1	0.000	3.476	2.318	2.954	3.560	4.004	3.984	3.414	3.465	3.333
2	3.241	0.000	2.406	3.338	3.626	3.974	3.977	3.582	3.507	3.360
3	2.799	3.373	0.000	2.264	3.404	3.963	3.823	3.155	3.538	2.849
4	3.288	3.475	2.398	0.000	3.680	3.840	3.760	3.472	3.267	3.190
5	2.922	3.555	1.920	2.801	0.000	3.904	3.823	3.516	3.283	3.479
6	3.110	3.934	2.205	3.255	3.567	0.000	3.998	3.687	3.429	3.656
7	3.126	3.935	2.336	3.402	3.487	3.985	0.000	3.674	3.503	3.679
8	3.227	3.634	2.375	3.249	3.524	3.924	3.890	0.000	3.407	3.415
9	3.122	3.688	2.420	3.090	3.543	3.916	3.832	3.506	0.000	3.390
10	3.384	3.422	2.478	3.086	3.656	3.960	4.022	3.525	3.480	0.000

平均利得テーブル(ステージベース平均)										
	1	2	3	4	5	6	7	8	9	10
1	0.000	3.172	1.946	2.491	3.394	4.003	3.886	3.075	2.939	3.125
2	2.899	0.000	2.210	3.203	3.526	3.959	3.964	3.363	3.047	3.141
3	2.630	2.803	0.000	2.049	3.392	3.699	3.253	2.733	2.991	2.542
4	2.989	3.268	2.164	0.000	3.554	3.772	3.596	3.183	2.792	2.924
5	2.417	3.345	1.457	2.285	0.000	3.862	3.710	3.313	2.621	3.345
6	2.684	3.902	1.785	3.092	3.439	0.000	3.999	3.609	2.814	3.597
7	2.759	3.911	2.113	3.365	3.336	3.982	0.000	3.535	3.017	3.629
8	2.895	3.399	2.115	3.043	3.365	3.891	3.770	0.000	2.909	3.217
9	2.817	3.267	2.200	2.719	3.452	3.752	3.471	3.134	0.000	3.048
10	3.193	3.172	2.204	2.795	3.543	3.948	3.996	3.292	3.008	0.000

実験4 不完全私的観測(神取ゼミの戦略のみ)

Datetime	2015-12-05-01-07-37							
Monitoring type	private							
RandomSeed	282							
Repeats	1000							
Average ts_length	32.856							
Number of strategies	24							
Str_numbers	Strategy name	Avarage(session based)	Rank(session based)	Avarage(stage based)	Rank(stage based)	Average(90% trimmed)	Rank(trimmed)	備考
18	kandori.Strategy18	3.35352416	1	3.219810292	1	3.354223602	1	WSLS'
13	kandori.Strategy13	3.326308014	2	3.182248494	2	3.327682945	2	CCDDDD
22	kandori.Strategy22	3.259068663	3	3.121244482	5	3.254935011	4	
14	kandori.Strategy14	3.258886509	4	3.122727237	4	3.256160683	3	WSLS'
1	kandori.Strategy1	3.256299103	5	3.132024724	3	3.250285117	5	
3	kandori.Strategy3	3.240387724	6	3.082433491	9	3.236639676	6	WSLS'
21	kandori.Strategy21	3.238405281	7	3.083776638	8	3.235193757	7	WSLS'
2	kandori.Strategy2	3.215812884	8	3.054822228	14	3.210963579	9	WSLS
16	kandori.Strategy16	3.215812884	9	3.054822228	15	3.210963579	10	WSLS
17	kandori.Strategy17	3.215547504	10	3.063675088	11	3.21302084	8	TFT'
19	kandori.Strategy19	3.213334955	11	3.06115156	12	3.207154339	11	TFT
6	kandori.Strategy6	3.197763649	12	3.056192503	13	3.193193311	12	WSLS'
12	kandori.Strategy12	3.197073568	13	3.045809911	16	3.178046947	16	
20	kandori.Strategy20	3.192768288	14	3.020367533	17	3.186697798	13	WSLS'
4	kandori.Strategy4	3.191465329	15	3.086214152	7	3.181888575	14	
23	kandori.Strategy23	3.188569289	16	3.06617612	10	3.180589184	15	
7	kandori.Strategy7	3.166979223	17	3.001625671	19	3.158844309	17	TFT'
15	kandori.Strategy15	3.161225612	18	2.983885545	21	3.151458884	19	WSLS'
11	kandori.Strategy11	3.159787981	19	3.004255063	18	3.154021739	18	TFT'
24	kandori.Strategy24	3.158548933	20	2.940998137	23	3.101466013	21	
10	kandori.Strategy10	3.157508886	21	2.988733446	20	3.148909213	20	TFT'
8	kandori.Strategy8	3.121529725	22	3.104081314	6	3.096718772	22	HIST
9	kandori.Strategy9	3.088360193	23	2.962527525	22	3.030839327	24	STFT
5	kandori.Strategy5	3.072941197	24	2.902704555	24	3.063080194	23	

戦略のタイプ	平均利得(セッション平均)
WSLS	3.230509666
TFT	3.166907904
ALLD	3.326308014

実験4 不完全私的観測(神取ゼミの戦略のみ)

平均利得テーブル(セッションベース平均)																								
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	0.000	3.703	3.614	3.793	3.834	3.909	3.041	3.817	2.363	3.030	3.513	1.965	1.682	3.667	3.171	3.703	3.388	2.670	3.162	3.396	3.690	3.774	4.000	2.011
2	3.533	0.000	3.686	3.590	3.660	3.935	3.075	3.598	2.473	3.066	3.640	1.645	1.577	3.718	3.124	3.783	3.335	2.484	3.218	3.414	3.766	3.799	3.972	1.873
3	3.538	3.777	0.000	3.617	3.688	3.946	3.075	3.596	2.419	3.059	3.613	1.707	1.651	3.719	3.170	3.777	3.290	2.652	3.212	3.436	3.767	3.810	3.981	2.027
4	3.156	3.161	3.161	0.000	3.636	3.748	3.430	3.981	3.177	3.379	3.895	1.902	1.671	3.501	2.671	3.161	3.768	3.170	3.654	2.874	3.272	3.474	3.983	1.577
5	2.397	3.332	3.203	4.065	0.000	3.754	3.314	3.910	3.007	3.278	3.836	1.875	1.241	3.365	2.747	3.332	3.615	1.892	3.434	3.025	3.341	3.382	4.053	1.280
6	3.076	3.599	3.498	3.921	3.649	0.000	3.346	3.678	3.113	3.292	3.825	1.911	1.284	3.633	2.869	3.599	3.596	2.328	3.575	3.174	3.609	3.627	3.981	1.367
7	2.855	3.146	3.079	4.021	3.748	3.782	0.000	3.957	2.502	3.050	3.715	2.044	2.073	3.458	2.948	3.146	3.379	2.808	3.148	3.038	3.239	3.644	3.998	2.063
8	3.170	3.096	3.028	3.991	3.655	3.627	3.416	0.000	3.187	3.363	3.871	2.018	1.535	3.278	2.690	3.096	3.755	2.682	3.656	2.858	3.146	3.199	3.982	1.496
9	2.515	2.761	2.660	4.073	3.802	3.938	2.870	4.078	0.000	2.874	3.702	2.125	2.278	3.435	2.886	2.761	3.426	2.341	2.798	2.820	2.903	3.554	4.064	2.369
10	2.839	3.135	3.062	4.027	3.773	3.764	3.067	3.948	2.503	0.000	3.712	2.030	2.052	3.427	2.950	3.135	3.364	2.783	3.133	3.034	3.210	3.611	4.006	2.057
11	3.131	3.100	3.048	4.009	3.564	3.819	3.334	3.978	2.997	3.285	0.000	1.960	1.972	3.539	2.716	3.100	3.626	2.826	3.497	2.862	3.211	3.626	3.952	1.525
12	2.889	3.347	3.242	4.056	4.070	3.471	2.785	3.801	2.218	2.816	3.361	0.000	2.359	3.250	3.326	3.347	2.865	2.781	2.684	3.322	3.314	3.275	4.070	2.884
13	3.448	3.601	3.491	3.479	4.124	4.059	2.846	3.682	2.264	2.875	3.028	2.240	0.000	3.655	3.518	3.601	2.865	2.989	2.722	3.574	3.624	3.945	4.124	2.750
14	3.321	3.687	3.589	3.825	3.693	3.929	3.233	3.609	2.860	3.186	3.736	1.889	1.548	0.000	3.065	3.687	3.476	2.574	3.447	3.305	3.674	3.738	3.987	1.896
15	3.111	3.578	3.428	3.704	3.885	3.891	3.034	3.609	2.520	3.019	3.579	1.761	1.606	3.460	0.000	3.578	3.206	2.153	3.079	3.327	3.556	3.653	4.022	1.952
16	3.533	3.783	3.686	3.590	3.660	3.935	3.075	3.598	2.473	3.066	3.640	1.645	1.577	3.718	3.124	0.000	3.335	2.484	3.218	3.414	3.766	3.799	3.972	1.873
17	3.256	3.248	3.184	3.962	3.682	3.705	3.235	3.963	2.856	3.199	3.706	2.159	2.080	3.499	2.908	3.248	0.000	2.986	3.368	3.038	3.334	3.401	3.978	1.960
18	3.489	3.690	3.605	3.860	3.939	4.001	3.026	3.584	2.284	3.027	3.462	1.981	1.985	3.730	3.403	3.690	3.215	0.000	3.104	3.525	3.697	3.923	4.047	2.865
19	3.074	3.241	3.200	3.987	3.631	3.829	3.091	3.982	2.460	3.070	3.695	2.090	2.163	3.597	2.941	3.241	3.425	2.970	0.000	3.057	3.349	3.791	3.942	2.081
20	3.324	3.696	3.580	3.624	3.787	3.921	3.059	3.583	2.500	3.041	3.604	1.713	1.584	3.593	3.155	3.696	3.242	2.256	3.129	0.000	3.684	3.734	3.999	1.929
21	3.484	3.764	3.677	3.672	3.673	3.939	3.146	3.612	2.557	3.108	3.678	1.716	1.564	3.705	3.123	3.764	3.401	2.551	3.300	3.397	0.000	3.788	3.981	1.885
22	3.454	3.765	3.634	3.868	3.657	3.927	3.298	3.547	2.947	3.249	3.761	1.905	1.348	3.640	3.055	3.765	3.423	2.260	3.552	3.372	3.734	0.000	3.972	1.826
23	2.873	3.548	3.442	3.991	3.639	3.835	3.426	3.973	3.175	3.371	3.888	1.875	1.240	3.584	2.747	3.548	3.765	2.303	3.628	3.070	3.558	3.578	0.000	1.279
24	3.314	3.652	3.358	3.342	4.149	4.069	2.751	3.410	2.316	2.774	3.377	1.670	1.840	3.346	3.428	3.652	2.832	1.753	2.674	3.523	3.578	3.689	4.149	0.000



実験4 不完全私的観測(神取ゼミの戦略のみ)

平均利得テーブル(ステージベース平均)																								
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	0.000	3.652	3.533	3.575	3.900	3.908	2.762	3.428	2.420	2.771	3.176	1.852	1.442	3.597	3.189	3.652	3.017	2.232	2.790	3.345	3.640	3.775	4.019	2.362
2	3.202	0.000	3.641	3.351	3.587	3.915	2.869	2.897	2.652	2.869	3.491	1.348	1.173	3.666	3.065	3.756	3.047	1.900	2.972	3.362	3.743	3.775	3.963	2.017
3	3.251	3.746	0.000	3.379	3.625	3.921	2.860	2.902	2.592	2.848	3.440	1.426	1.272	3.655	3.091	3.746	2.983	2.172	2.944	3.366	3.729	3.785	3.970	2.193
4	2.667	2.946	2.920	0.000	3.560	3.621	3.355	3.903	3.456	3.295	3.856	1.746	1.419	3.367	2.571	2.946	3.662	3.024	3.592	2.695	3.089	3.417	3.979	1.897
5	1.615	3.210	3.020	4.074	0.000	3.645	3.211	3.485	3.225	3.174	3.752	1.713	0.798	3.191	2.630	3.210	3.450	1.169	3.331	2.887	3.205	3.280	4.061	1.428
6	2.482	3.561	3.427	3.874	3.575	0.000	3.234	3.101	3.379	3.176	3.744	1.737	0.850	3.573	2.785	3.561	3.357	1.609	3.503	3.090	3.570	3.598	3.974	1.532
7	2.354	2.903	2.823	3.986	3.685	3.693	0.000	3.613	2.683	2.854	3.562	1.878	1.806	3.310	2.813	2.903	3.121	2.458	2.911	2.846	3.026	3.593	3.985	2.232
8	2.819	3.076	2.971	3.963	3.644	3.553	3.231	0.000	3.345	3.182	3.748	1.963	1.553	3.186	2.860	3.076	3.549	2.476	3.490	2.929	3.109	3.285	3.982	2.404
9	2.205	2.711	2.606	3.957	3.627	3.820	2.762	3.756	0.000	2.756	3.483	1.961	1.952	3.398	2.772	2.711	3.127	2.223	2.726	2.745	2.879	3.667	3.966	2.327
10	2.318	2.902	2.812	3.990	3.713	3.667	2.861	3.575	2.677	0.000	3.563	1.857	1.777	3.270	2.811	2.902	3.098	2.441	2.903	2.840	2.987	3.555	3.996	2.226
11	2.687	2.805	2.720	4.013	3.448	3.727	3.201	3.839	3.190	3.153	0.000	1.815	1.752	3.383	2.575	2.805	3.424	2.374	3.350	2.637	2.966	3.590	3.932	1.714
12	2.546	3.328	3.193	3.862	3.937	3.278	2.564	3.128	2.282	2.606	3.094	0.000	2.090	3.101	3.256	3.328	2.506	2.650	2.415	3.282	3.273	3.190	3.937	3.207
13	3.131	3.534	3.385	3.172	4.102	4.025	2.580	2.971	2.289	2.624	2.672	2.090	0.000	3.556	3.502	3.534	2.464	2.792	2.411	3.524	3.543	3.963	4.102	3.224
14	2.905	3.650	3.516	3.726	3.628	3.900	3.080	2.962	3.116	3.033	3.628	1.672	1.160	0.000	2.981	3.650	3.237	2.033	3.316	3.234	3.639	3.711	3.979	2.067
15	2.567	3.518	3.321	3.507	3.820	3.824	2.850	2.788	2.689	2.838	3.425	1.511	1.186	3.351	0.000	3.518	2.937	1.663	2.867	3.243	3.473	3.608	3.992	2.132
16	3.202	3.756	3.641	3.351	3.587	3.915	2.869	2.897	2.652	2.869	3.491	1.348	1.173	3.666	3.065	0.000	3.047	1.900	2.972	3.362	3.743	3.775	3.963	2.017
17	2.846	3.007	2.913	3.941	3.629	3.502	3.059	3.771	2.991	3.025	3.540	2.044	1.890	3.303	2.816	3.007	0.000	2.604	3.149	2.869	3.124	3.252	3.969	2.216
18	3.159	3.604	3.498	3.792	3.996	3.997	2.768	2.919	2.394	2.787	3.193	1.749	1.667	3.635	3.408	3.604	2.825	0.000	2.772	3.491	3.615	3.938	4.062	3.182
19	2.592	2.980	2.919	3.946	3.567	3.794	2.882	3.767	2.650	2.875	3.537	1.960	1.921	3.487	2.820	2.980	3.178	2.592	0.000	2.871	3.140	3.764	3.933	2.253
20	2.864	3.659	3.495	3.391	3.723	3.884	2.866	2.801	2.678	2.854	3.444	1.439	1.176	3.505	3.067	3.659	2.960	1.700	2.908	0.000	3.626	3.707	3.981	2.084
21	3.124	3.739	3.629	3.478	3.598	3.913	2.953	2.947	2.771	2.922	3.533	1.432	1.168	3.653	3.037	3.739	3.132	1.976	3.087	3.329	0.000	3.768	3.969	2.030
22	3.062	3.732	3.573	3.812	3.581	3.903	3.188	2.780	3.281	3.133	3.697	1.721	0.887	3.569	2.970	3.732	3.200	1.549	3.485	3.307	3.704	0.000	3.964	1.959
23	2.181	3.490	3.358	3.989	3.563	3.768	3.357	3.852	3.460	3.298	3.842	1.713	0.798	3.499	2.628	3.490	3.672	1.569	3.580	2.955	3.501	3.531	0.000	1.427
24	2.868	3.589	3.255	2.982	4.061	3.968	2.582	2.312	2.408	2.604	3.167	1.322	1.288	3.238	3.308	3.589	2.540	1.415	2.498	3.444	3.510	3.634	4.063	0.000

実験5 不完全私的観測(神取+尾山ゼミの戦略)

Datetime	2015-11-30-18-01-45							
Monitoring type	private							
RandomSeed	282							
Repeats	1000							
Average ts_length	32.856							
Number of strategies	34							
Str_numbers	Strategy name	Avarage(session based)	Rank(session based)	Avarage(stage based)	Rank(stage based)	Average(90% trimmed)	Rank(trimmed)	備考
27	ikegami_imperfect_private.Self_Centered_private	3.36832832	1	3.220361024	1	3.365692904	1	20%
28	mhanami_Imperfect_Private_Strategy.ImPrivStrategy	3.348553889	2	3.216393297	2	3.346376067	2	2T2FT
25	Iida_imperfect_private.Iida_iprm	3.32968985	3	3.15335652	5	3.330641597	3	
18	kandori.Strategy18	3.292214224	4	3.084777652	15	3.291929244	4	WSLS'
17	kandori.Strategy17	3.283194443	5	3.11118305	8	3.281666516	5	TFT'
4	kandori.Strategy4	3.282928401	6	3.158213803	4	3.276017721	6	
19	kandori.Strategy19	3.277143381	7	3.106785994	10	3.271770308	8	TFT
34	yamagishi_impd.yamagishi	3.277143381	8	3.106785994	11	3.271770308	7	TFT
30	gistfile1.MyStrategy	3.266900169	9	3.116454907	7	3.261474645	9	TFT'
29	tsuyoshi.GrimTrigger	3.26353101	10	3.085325036	14	3.260617395	10	TFT'
1	kandori.Strategy1	3.261856949	11	3.076891541	17	3.258367257	11	
23	kandori.Strategy23	3.261667595	12	3.107009651	9	3.257183109	12	
11	kandori.Strategy11	3.260228791	13	3.098884204	12	3.255999319	13	TFT'
32	oyama.OyamaImperfectPrivateMonitoring	3.255871528	14	3.087366082	13	3.251685906	15	TFT'
14	kandori.Strategy14	3.25337761	15	3.058440504	18	3.251970056	14	WSLS'
33	ogawa.ogawa	3.247716335	16	3.083111982	16	3.242815575	16	
31	beeleb_Strategy.beeleb	3.245998144	17	3.117079764	6	3.236688541	17	
8	kandori.Strategy8	3.239536248	18	3.180036763	3	3.222972873	20	HIST
22	kandori.Strategy22	3.231422435	19	3.033872324	20	3.227101462	18	
6	kandori.Strategy6	3.225318551	20	3.030270289	22	3.223112239	19	WSLS'
7	kandori.Strategy7	3.225300065	21	3.037891239	19	3.218248764	22	TFT'
13	kandori.Strategy13	3.223658906	22	3.020115324	24	3.218690169	21	CCDDDD
21	kandori.Strategy21	3.216136749	23	2.999892552	25	3.213514059	23	WSLS'
10	kandori.Strategy10	3.214150715	24	3.022255517	23	3.206629856	24	TFT'
3	kandori.Strategy3	3.207011964	25	2.984919502	27	3.203072701	25	WSLS'
26	kato.KatoStrategy	3.193996582	26	3.032555744	21	3.173226807	28	
16	kandori.Strategy16	3.186837934	27	2.962482753	29	3.182215234	27	WSLS
2	kandori.Strategy2	3.186837934	28	2.962482753	30	3.182215234	26	WSLS
12	kandori.Strategy12	3.182024045	29	2.98471429	28	3.161864125	29	
5	kandori.Strategy5	3.151694623	30	2.947040253	31	3.145554691	30	
20	kandori.Strategy20	3.149316992	31	2.918115136	32	3.141487539	31	WSLS'
9	kandori.Strategy9	3.131695859	32	2.986149848	26	3.076223214	33	STFT
15	kandori.Strategy15	3.118259636	33	2.886726561	33	3.106428274	32	WSLS'
24	kandori.Strategy24	3.017841689	34	2.754503121	34	2.953674298	34	

戦略のタイプ	平均利得(セッション平均)
WSLS	3.20392351
TFT	3.254883021
ALLD	3.223658906

平均利得テーブル(セッションベース平均)																																		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
1	0.000	3.703	3.614	3.793	3.834	3.909	3.041	3.817	2.363	3.030	3.513	1.965	1.682	3.667	3.171	3.703	3.388	2.670	3.162	3.396	3.690	3.774	4.000	2.011	3.187	2.378	2.875	3.284	3.678	3.784	3.656	3.450	3.291	3.162
2	3.533	0.000	3.686	3.590	3.660	3.935	3.075	3.598	2.473	3.066	3.640	1.645	1.577	3.718	3.124	3.783	3.335	2.484	3.218	3.414	3.766	3.799	3.972	1.873	2.832	1.786	2.571	2.939	3.661	3.868	3.715	3.388	3.225	3.218
3	3.538	3.777	0.000	3.617	3.688	3.946	3.075	3.596	2.419	3.059	3.613	1.707	1.651	3.719	3.170	3.777	3.290	2.652	3.212	3.436	3.767	3.810	3.981	2.027	2.870	1.866	2.628	2.972	3.662	3.849	3.671	3.365	3.208	3.212
4	3.156	3.161	3.161	0.000	3.636	3.748	3.430	3.981	3.177	3.379	3.895	1.902	1.671	3.501	2.671	3.161	3.768	3.170	3.654	2.874	3.272	3.474	3.983	1.577	3.150	2.216	3.280	3.918	3.581	3.987	3.998	3.697	3.452	3.654
5	2.397	3.332	3.203	4.065	0.000	3.754	3.314	3.910	3.007	3.278	3.836	1.875	1.241	3.365	2.747	3.332	3.615	1.892	3.434	3.025	3.341	3.382	4.053	1.280	2.717	2.050	2.700	3.970	3.334	4.048	4.084	3.583	3.409	3.434
6	3.076	3.599	3.498	3.921	3.649	0.000	3.346	3.678	3.113	3.292	3.825	1.911	1.284	3.633	2.869	3.599	3.596	2.328	3.575	3.174	3.609	3.627	3.981	1.367	2.861	1.802	2.725	3.631	3.582	3.939	3.884	3.581	3.307	3.575
7	2.855	3.146	3.079	4.021	3.748	3.782	0.000	3.957	2.502	3.050	3.715	2.044	2.073	3.458	2.948	3.146	3.379	2.808	3.148	3.038	3.239	3.644	3.998	2.063	3.220	2.413	2.820	3.476	3.542	3.994	4.066	3.439	3.476	3.148
8	3.170	3.096	3.028	3.991	3.655	3.627	3.416	0.000	3.187	3.363	3.871	2.018	1.535	3.278	2.690	3.096	3.755	2.682	3.656	2.858	3.146	3.199	3.982	1.496	3.135	2.344	3.540	3.936	3.355	3.980	3.988	3.693	3.485	3.656
9	2.515	2.761	2.660	4.073	3.802	3.938	2.870	4.078	0.000	2.874	3.702	2.125	2.278	3.435	2.886	2.761	3.426	2.341	2.798	2.820	2.903	3.554	4.064	2.369	3.102	2.116	2.099	3.556	3.495	4.066	4.134	3.384	3.564	2.798
10	2.839	3.135	3.062	4.027	3.773	3.764	3.067	3.948	2.503	0.000	3.712	2.030	2.052	3.427	2.950	3.135	3.364	2.783	3.133	3.034	3.210	3.611	4.006	2.057	3.178	2.390	2.762	3.465	3.537	4.001	4.074	3.425	3.480	3.133
11	3.131	3.100	3.048	4.009	3.564	3.819	3.334	3.978	2.997	3.285	0.000	1.960	1.972	3.539	2.716	3.100	3.626	2.826	3.497	2.862	3.211	3.626	3.952	1.525	3.328	2.385	3.234	3.815	3.576	3.969	4.017	3.606	3.487	3.497
12	2.889	3.347	3.242	4.056	4.070	3.471	2.785	3.801	2.218	2.816	3.361	0.000	2.359	3.250	3.326	3.347	2.865	2.781	2.684	3.322	3.314	3.275	4.070	2.884	2.953	2.275	2.361	3.297	3.383	4.110	3.883	3.080	3.449	2.684
13	3.448	3.601	3.491	3.479	4.124	4.059	2.846	3.682	2.264	2.875	3.028	2.240	0.000	3.655	3.518	3.601	2.865	2.989	2.722	3.574	3.624	3.945	4.124	2.750	3.018	2.391	2.537	3.203	3.684	3.590	3.140	3.030	2.962	2.722
14	3.321	3.687	3.589	3.825	3.693	3.929	3.233	3.609	2.860	3.186	3.736	1.889	1.548	0.000	3.065	3.687	3.476	2.574	3.447	3.305	3.674	3.738	3.987	1.896	2.915	1.868	2.729	3.359	3.628	3.892	3.796	3.489	3.283	3.447
15	3.111	3.578	3.428	3.704	3.885	3.891	3.034	3.609	2.520	3.019	3.579	1.761	1.606	3.460	0.000	3.578	3.206	2.153	3.079	3.327	3.556	3.653	4.022	1.952	2.556	1.930	2.074	2.925	3.426	3.881	3.837	3.256	3.232	3.079
16	3.533	3.783	3.686	3.590	3.660	3.935	3.075	3.598	2.473	3.066	3.640	1.645	1.577	3.718	3.124	0.000	3.335	2.484	3.218	3.414	3.766	3.799	3.972	1.873	2.832	1.786	2.571	2.939	3.661	3.868	3.715	3.388	3.225	3.218
17	3.256	3.248	3.184	3.962	3.682	3.705	3.235	3.963	2.856	3.199	3.706	2.159	2.080	3.499	2.908	3.248	0.000	2.986	3.368	3.038	3.334	3.401	3.978	1.960	3.286	2.418	3.200	3.602	3.614	3.936	3.999	3.551	3.415	3.368
18	3.489	3.690	3.605	3.860	3.939	4.001	3.026	3.584	2.284	3.027	3.462	1.981	1.985	3.730	3.403	3.690	3.215	0.000	3.104	3.525	3.697	3.923	4.047	2.865	3.119	2.117	2.806	3.010	3.721	3.758	3.410	3.279	3.188	3.104
19	3.074	3.241	3.200	3.987	3.631	3.829	3.091	3.982	2.460	3.070	3.695	2.090	2.163	3.597	2.941	3.241	3.425	2.970	0.000	3.057	3.349	3.791	3.942	2.081	3.384	2.478	3.086	3.422	3.656	3.960	4.022	3.525	3.480	3.225
20	3.324	3.696	3.580	3.624	3.787	3.921	3.059	3.583	2.500	3.041	3.604	1.713	1.584	3.593	3.155	3.696	3.242	2.256	3.129	0.000	3.684	3.734	3.999	1.929	2.636	1.870	2.272	2.885	3.533	3.858	3.770	3.329	3.211	3.129
21	3.484	3.764	3.677	3.672	3.673	3.939	3.146	3.612	2.557	3.108	3.678	1.716	1.564	3.705	3.123	3.764	3.401	2.551	3.300	3.397	0.000	3.788	3.981	1.885	2.849	1.837	2.661	3.098	3.657	3.867	3.741	3.412	3.226	3.300
22	3.454	3.765	3.634	3.868	3.657	3.927	3.298	3.547	2.947	3.249	3.761	1.905	1.348	3.640	3.055	3.765	3.423	2.260	3.552	3.372	3.734	0.000	3.972	1.826	2.691	1.651	2.432	3.365	3.559	3.891	3.816	3.481	3.239	3.552
23	2.873	3.548	3.442	3.991	3.639	3.835	3.426	3.973	3.175	3.371	3.888	1.875	1.240	3.584	2.747	3.548	3.765	2.303	3.628	3.070	3.558	3.578	0.000	1.279	3.011	2.049	3.045	3.942	3.565	3.983	4.000	3.715	3.361	3.628
24	3.314	3.652	3.358	3.342	4.149	4.069	2.751	3.410	2.316	2.774	3.377	1.670	1.840	3.346	3.428	3.652	2.832	1.753	2.674	3.523	3.578	3.689	4.149	0.000	2.038	1.618	1.589	2.167	3.322	3.816	3.629	3.009	3.080	2.674
25	3.120	3.509	3.411	4.000	3.932	3.821	3.129	3.747	2.647	3.098	3.709	1.966	1.969	3.543	3.203	3.509	3.379	2.992	3.333	3.318	3.511	3.695	4.069	2.762	0.000	2.318	2.954	3.476	3.560	4.004	3.984	3.414	3.465	3.333
26	2.709	3.248	3.133	3.949	4.162	3.755	2.876	3.845	2.217	2.889	3.405	2.239	2.258	3.370	3.274	3.248	3.026	2.683	2.849	3.243	3.246	3.526	4.164	2.919	2.799	0.000	2.264	3.373	3.404	3.963	3.823	3.155	3.538	2.849
27	3.433	3.611	3.520	3.818	3.832	3.907	3.060	3.985	2.211	3.045	3.539	2.240	2.287	3.660	3.402	3.611	3.365	3.183	3.190	3.476	3.613	3.831	4.015	2.953	3.288	2.398	0.000	3.475	3.680	3.840	3.760	3.472	3.267	3.190
28	3.296	3.499	3.438	3.974	3.640	3.662	3.265	3.985	2.910	3.235	3.818	2.095	2.121	3.454	3.028	3.499	3.552	3.119	3.360	3.218	3.488	3.346	3.980	2.509	3.241	2.406	3.338	0.000	3.626	3.974	3.977	3.582	3.507	3.360
29	3.270	3.597	3.499	3.872	3.711	3.894	3.268	3.640	2.888	3.231	3.743	1.931	1.529	3.618	3.010	3.597	3.564	2.798	3.479	3.256	3.606	3.674	3.990	1.833	2.922	1.920	2.801	3.555	0.000	3.904	3.823	3.516	3.283	3.479
30	3.010	3.259	3.166	3.992	3.641	3.804	3.433	3.978	3.192	3.377	3.895	1.920	1.597	3.536	2.693	3.259	3.760	2.825	3.656	2.872	3.300	3.549	3.987	1.267	3.110	2.205	3.255	3.934	3.567	0.000	3.998	3.687	3.429	3.656
31	3.223	3.055	3.043	3.998	3.628	3.566	3.454	3.984	3.218	3.399	3.894	1.990	1.896	3.322	2.594	3.055	3.777	2.847	3.679	2.780	3.14													

平均利得テーブル(ステージベース平均)																																			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
1	0.000	3.652	3.533	3.575	3.900	3.908	2.762	3.428	2.420	2.771	3.176	1.852	1.442	3.597	3.189	3.652	3.017	2.232	2.790	3.345	3.640	3.775	4.019	2.362	2.878	2.125	2.479	2.868	3.575	3.622	3.285	3.091	2.788	2.790	
2	3.202	0.000	3.641	3.351	3.587	3.915	2.869	2.897	2.652	2.869	3.491	1.348	1.173	3.666	3.065	3.756	3.047	1.900	2.972	3.362	3.743	3.775	3.963	2.017	2.315	1.336	1.951	2.392	3.570	3.805	3.512	3.082	2.566	2.972	
3	3.251	3.746	0.000	3.379	3.625	3.921	2.860	2.902	2.592	2.848	3.440	1.426	1.272	3.655	3.091	3.746	2.983	2.172	2.944	3.366	3.729	3.785	3.970	2.193	2.361	1.428	2.040	2.415	3.563	3.782	3.450	3.050	2.572	2.944	
4	2.667	2.946	2.920	0.000	3.560	3.621	3.355	3.903	3.456	3.295	3.856	1.746	1.419	3.367	2.571	2.946	3.662	3.024	3.592	2.695	3.089	3.417	3.979	1.897	2.820	1.860	3.166	3.886	3.471	3.983	3.999	3.596	2.867	3.592	
5	1.615	3.210	3.020	4.074	0.000	3.645	3.211	3.485	3.225	3.174	3.752	1.713	0.798	3.191	2.630	3.210	3.450	1.169	3.331	2.887	3.205	3.280	4.061	1.428	2.145	1.493	2.166	3.946	3.154	4.054	4.100	3.437	2.662	3.331	
6	2.482	3.561	3.427	3.874	3.575	0.000	3.234	3.101	3.379	3.176	3.744	1.737	0.850	3.573	2.785	3.561	3.357	1.609	3.503	3.090	3.570	3.598	3.974	1.532	2.267	1.252	2.142	3.377	3.481	3.906	3.795	3.414	2.570	3.503	
7	2.354	2.903	2.823	3.986	3.685	3.693	0.000	3.613	2.683	2.854	3.562	1.878	1.806	3.310	2.813	2.903	3.121	2.458	2.911	2.846	3.026	3.593	3.985	2.232	2.965	2.096	2.426	3.213	3.416	3.983	4.046	3.188	2.970	2.911	
8	2.819	3.076	2.971	3.963	3.644	3.553	3.231	0.000	3.345	3.182	3.748	1.963	1.553	3.186	2.860	3.076	3.549	2.476	3.490	2.929	3.109	3.285	3.982	2.404	2.841	2.145	3.561	3.851	3.254	3.956	3.941	3.516	2.993	3.490	
9	2.205	2.711	2.606	3.957	3.627	3.820	2.762	3.756	0.000	2.756	3.483	1.961	1.952	3.398	2.772	2.711	3.127	2.223	2.726	2.745	2.879	3.667	3.966	2.327	3.026	1.924	1.911	3.213	3.461	3.972	4.025	3.130	3.015	2.726	
10	2.318	2.902	2.812	3.990	3.713	3.667	2.861	3.575	2.677	0.000	3.563	1.857	1.777	3.270	2.811	2.902	3.098	2.441	2.903	2.840	2.987	3.555	3.996	2.226	2.910	2.067	2.359	3.189	3.393	3.988	4.050	3.170	2.964	2.903	
11	2.687	2.805	2.720	4.013	3.448	3.727	3.201	3.839	3.190	3.153	0.000	1.815	1.752	3.383	2.575	2.805	3.424	2.374	3.350	2.637	2.966	3.590	3.932	1.714	3.080	2.104	3.059	3.720	3.465	3.952	4.023	3.434	2.978	3.350	
12	2.546	3.328	3.193	3.862	3.937	3.278	2.564	3.128	2.282	2.606	3.094	0.000	2.090	3.101	3.256	3.328	2.506	2.650	2.415	3.282	3.273	3.190	3.937	3.207	2.722	2.081	2.092	2.772	3.249	4.006	3.503	2.685	2.916	2.415	
13	3.131	3.534	3.385	3.172	4.102	4.025	2.580	2.971	2.289	2.624	2.672	2.090	0.000	3.556	3.502	3.534	2.464	2.792	2.411	3.524	3.543	3.963	4.102	3.224	2.757	2.162	2.186	2.336	3.562	3.375	2.593	2.592	2.499	2.411	
14	2.905	3.650	3.516	3.726	3.628	3.900	3.080	2.962	3.116	3.033	3.628	1.672	1.160	0.000	2.981	3.650	3.237	2.033	3.316	3.234	3.639	3.711	3.979	2.067	2.399	1.405	2.128	2.980	3.526	3.839	3.652	3.240	2.621	3.316	
15	2.567	3.518	3.321	3.507	3.820	3.824	2.850	2.788	2.689	2.838	3.425	1.511	1.186	3.351	0.000	3.518	2.937	1.663	2.867	3.243	3.473	3.608	3.992	2.132	2.057	1.447	1.489	2.486	3.271	3.810	3.679	2.958	2.567	2.867	
16	3.202	3.756	3.641	3.351	3.587	3.915	2.869	2.897	2.652	2.869	3.491	1.348	1.173	3.666	3.065	0.000	3.047	1.900	2.972	3.362	3.743	3.775	3.963	2.017	2.315	1.336	1.951	2.392	3.570	3.805	3.512	3.082	2.566	2.972	
17	2.846	3.007	2.913	3.941	3.629	3.502	3.059	3.771	2.991	3.025	3.540	2.044	1.890	3.303	2.816	3.007	0.000	2.604	3.149	2.869	3.124	3.252	3.969	2.216	2.982	2.170	2.958	3.319	3.503	3.895	3.992	3.318	2.919	3.149	
18	3.159	3.604	3.498	3.792	3.996	3.997	2.768	2.919	2.394	2.787	3.193	1.749	1.667	3.635	3.408	3.604	2.825	0.000	2.772	3.491	3.615	3.938	4.062	3.182	2.725	1.775	2.274	2.450	3.619	3.629	2.976	2.897	2.626	2.772	
19	2.592	2.980	2.919	3.946	3.567	3.794	2.882	3.767	2.650	2.875	3.537	1.960	1.921	3.487	2.820	2.980	3.178	2.592	0.000	2.871	3.140	3.764	3.933	2.253	3.193	2.204	2.795	3.172	3.543	3.948	3.996	3.292	3.008	2.965	
20	2.864	3.659	3.495	3.391	3.723	3.884	2.866	2.801	2.678	2.854	3.444	1.439	1.176	3.505	3.067	3.659	2.960	1.700	2.908	0.000	3.626	3.707	3.981	2.084	2.117	1.385	1.651	2.402	3.404	3.793	3.591	3.022	2.556	2.908	
21	3.124	3.739	3.629	3.478	3.598	3.913	2.953	2.947	2.771	2.922	3.533	1.432	1.168	3.653	3.037	3.739	3.132	1.976	3.087	3.329	0.000	3.768	3.969	2.030	2.314	1.358	2.061	2.609	3.571	3.814	3.563	3.123	2.569	3.087	
22	3.062	3.732	3.573	3.812	3.581	3.903	3.188	2.780	3.281	3.133	3.697	1.721	0.887	3.569	2.970	3.732	3.200	1.549	3.485	3.307	3.704	0.000	3.964	1.959	2.091	1.125	1.746	3.089	3.432	3.851	3.701	3.288	2.521	3.485	
23	2.181	3.490	3.358	3.989	3.563	3.768	3.357	3.852	3.460	3.298	3.842	1.713	0.798	3.499	2.628	3.490	3.672	1.569	3.580	2.955	3.501	3.531	0.000	1.427	2.483	1.493	2.818	3.928	3.478	3.978	4.000	3.630	2.621	3.580	
24	2.868	3.589	3.255	2.982	4.061	3.968	2.582	2.312	2.408	2.604	3.167	1.322	1.288	3.238	3.308	3.589	2.540	1.415	2.498	3.444	3.510	3.634	4.063	0.000	1.669	1.223	1.195	1.637	3.104	3.655	3.219	2.638	2.417	2.498	
25	2.583	3.360	3.213	3.932	4.034	3.765	2.918	3.210	2.864	2.891	3.562	1.785	1.692	3.384	3.185	3.360	3.061	2.620	3.125	3.237	3.358	3.642	4.124	3.122	0.000	1.946	2.491	3.172	3.394	4.003	3.886	3.075	2.939	3.125	
26	2.402	3.339	3.196	3.591	4.120	3.800	2.641	3.239	2.272	2.672	2.984	2.073	2.043	3.373	3.330	3.339	2.600	2.632	2.542	3.337	3.342	3.717	4.122	3.276	2.630	0.000	2.049	2.803	3.392	3.699	3.253	2.733	2.991	2.542	
27	3.072	3.502	3.382	3.721	3.849	3.860	2.802	3.793	2.267	2.804	3.348	2.090	2.071	3.537	3.425	3.502	3.080	2.909	2.924	3.444	3.506	3.825	4.015	3.302	2.989	2.164	0.000	3.268	3.554	3.772	3.596	3.183	2.792	2.924	
28	2.923	3.399	3.298	3.960	3.563	3.440	3.090	3.901	3.026	3.066	3.725	2.009	1.976	3.208	3.003	3.399	3.273	2.838	3.141	3.146	3.359	3.151	3.973	2.960	2.899	2.210	3.203	0.000	3.526	3.959	3.964	3.363	3.047	3.141	
29	2.800	3.538	3.401	3.798	3.654	3.846	3.126	3.042	3.159	3.084	3.645	1.739	1.157	3.514	2.919	3.538	3.384	2.377	3.345	3.163	3.538	3.636	3.985	2.073	2.417	1.457	2.285	3.345	0.000	3.862	3.710	3.313	2.621	3.345	
30	2.479	3.052	2.958	3.991	3.564	3.704	3.362	3.881	3.471	3.302	3.846	1.764	1.283	3.377	2.504	3.052	3.637	2.392	3.597	2.673	3.127	3.484	3.982	1.441	2.684	1.785	3.092	3.902	3.439	0.000	3.999	3.609	2.814	3.597	
31	2.845	2.794	2.753	3.998	3.548	3.309	3.389	3.919	3.505	3.326	3.855	1.899	1.804	3.091	2.477	2.794	3.686	2.5>																	