

y-T_Rumen								
y	T exp	simulation	sim2	sim3	sim4	sim5	sim6	
0	323.168	299.4117647	299.411597	299.4115251	299.4117	299.411814	299.411635	
0.001	323.168	297.0588235	297.0586558	297.0585839	297.0588	297.0588728	297.0586938	
0.002	323.168	303.5294118	303.529244	303.5291721	303.5293	303.529461	303.5292821	
0.003	323.168	298.2352941	298.2351264	298.2350545	298.2352	298.2353434	298.2351644	
0.004	323.168	300.5882353	300.5880676	300.5879956	300.5882	300.5882846	300.5881056	
0.005	323.168	298.8235294	298.8233617	298.8232898	298.8235	298.8235787	298.8233997	
0.006	323.168		300	299.9998323	299.9997603	300	300.0000493	299.9998703
0.007	322.876		300	299.9998323	299.9997603	300	300.0000493	299.9998703
0.008	322.876		300	299.9998323	299.9997603	300	300.0000493	299.9998703
0.009	322.681		300	299.9998323	299.9997603	300	300.0000493	299.9998703
0.01	322.681		300	299.9998323	299.9997603	300	300.0000493	299.9998703
0.011	322.642		300	299.9998323	299.9997603	300	300.0000493	299.9998703
0.012	322.642		300	299.9998323	299.9997603	300	300.0000493	299.9998703
0.013	322.613		300	299.9998323	299.9997603	300	300.0000493	299.9998703
0.014	322.613		300	299.9998323	299.9997603	300	300.0000493	299.9998703
0.015	322.574		300	299.9998323	299.9997603	300	300.0000493	299.9998703
0.016	322.574		300	299.9998323	299.9997603	300	300.0000493	299.9998703
0.017	322.555		300	299.9998323	299.9997603	300	300.0000493	299.9998703
0.018	322.555		300	299.9998323	299.9997603	300	300.0000493	299.9998703
0.019	322.476		300	299.9998323	299.9997603	300	300.0000493	299.9998703
0.02	322.476		300	299.9998323	299.9997603	300	300.0000493	299.9998703
0.021	322.418		300	299.9998323	299.9997603	300	300.0000493	299.9998703
0.022	322.418		300	299.9998323	299.9997603	300	300.0000493	299.9998703
0.023	322.34		300	299.9998323	299.9997603	300	300.0000493	299.9998703
0.024	322.34		300	299.9998323	299.9997603	300	300.0000493	299.9998703
0.025	322.379		300	299.9998323	299.9997603	300	300.0000493	299.9998703
0.026	322.379		300	299.9998323	299.9997603	300	300.0000493	299.9998703
0.027	322.359		300	299.9998323	299.9997603	300	300.0000493	299.9998703
0.028	322.359		300	299.9998323	299.9997603	300	300.0000493	299.9998703
0.029	322.31		300	299.9998323	299.9997603	300	300.0000493	299.9998703
0.03	322.31		300	299.9998323	299.9997603	300	300.0000493	299.9998703
0.031	322.242		300	299.9998323	299.9997603	300	300.0000493	299.9998703
0.032	322.242		300	299.9998323	299.9997603	300	300.0000493	299.9998703
0.033	322.252		300	299.9998323	299.9997603	300	300.0000493	299.9998703
0.034	322.252		300	299.9998323	299.9997603	300	300.0000493	299.9998703
0.035	322.163		300	299.9998323	299.9997603	300	300.0000493	299.9998703
0.036	322.163		300	299.9998323	299.9997603	300	300.0000493	299.9998703
0.037	322.105		300	299.9998323	299.9997603	300	300.0000493	299.9998703
0.038	322.105		300	299.9998323	299.9997603	300	300.0000493	299.9998703
0.039	322.134		300	299.9998323	299.9997603	300	300.0000493	299.9998703
0.04	322.134		300	299.9998323	299.9997603	300	300.0000493	299.9998703
0.041	322.075		300	299.9998323	299.9997603	300	300.0000493	299.9998703
0.042	322.075		300	299.9998323	299.9997603	300	300.0000493	299.9998703
0.043	322.134		300	299.9998323	299.9997603	300	300.0000493	299.9998703
0.044	322.134		300	299.9998323	299.9997603	300	300.0000493	299.9998703
0.045	322.144		300	299.9998323	299.9997603	300	300.0000493	299.9998703
0.046	322.144		300	299.9998323	299.9997603	300	300.0000493	299.9998703
0.047	322.163		300	299.9998323	299.9997603	300	300.0000493	299.9998703

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0.048	322.163	300	299.9998323	299.9997603	300	300.0000493	299.9998703	
0.049	322.173	300	299.9998323	299.9997603	300	300.0000493	299.9998703	
0.05	322.173	300	299.9998323	299.9997603	300	300.0000493	299.9998703	
0.051	322.32	300	299.9998323	299.9997603	300	300.0000493	299.9998703	
0.052	322.32	300	299.9998323	299.9997603	300	300.0000493	299.9998703	
0.053	322.212	300	299.9998323	299.9997603	300	300.0000493	299.9998703	
0.054	322.212	300	299.9998323	299.9997603	300	300.0000493	299.9998703	
0.055	322.281	300	299.9998323	299.9997603	300	300.0000493	299.9998703	
0.056	322.281	300	299.9998323	299.9997603	300	300.0000493	299.9998703	
0.057	322.32	300	299.9998323	299.9997603	300	300.0000493	299.9998703	
0.058	322.32	300	299.9998323	299.9997603	300	300.0000493	299.9998703	
0.059	322.34	300	299.9998323	299.9997603	300	300.0000493	299.9998703	
0.06	322.34	300	299.9998323	299.9997603	300	300.0000493	299.9998703	
0.061	322.379	300	299.9998323	299.9997603	300	300.0000493	299.9998703	
0.062	322.379	300	299.9998323	299.9997603	300	300.0000493	299.9998703	
0.063	322.359	300	299.9998323	299.9997603	300	300.0000493	299.9998703	
0.064	322.359	300	299.9998323	299.9997603	300	300.0000493	299.9998703	
0.065	322.447	300	299.9998323	299.9997603	300	300.0000493	299.9998703	
0.066	322.447	300	299.9998323	299.9997603	300	300.0000493	299.9998703	
0.067	322.486	300	299.9998323	299.9997603	300	300.0000493	299.9998703	
0.068	322.486	300	299.9998323	299.9997603	300	300.0000493	299.9998703	
0.069	322.594	300	299.9998323	299.9997603	300	300.0000493	299.9998703	
0.07	322.594	300	299.9998323	299.9997603	300	300.0000493	299.9998703	
0.071	322.691	300	299.9998323	299.9997603	300	300.0000493	299.9998703	
0.072	322.691	300	299.9998323	299.9997603	300	300.0000493	299.9998703	
0.073	322.828	300	299.9998323	299.9997603	300	300.0000493	299.9998703	
0.074	322.828	300	299.9998323	299.9997603	300	300.0000493	299.9998703	
0.075	322.828	298.8235294	298.8233617	298.8232898	298.8235	298.8235787	298.8233997	
0.076	322.828	300.5882353	300.5880676	300.5879956	300.5882	300.5882846	300.5881056	
0.077	322.828	298.2352941	298.2351264	298.2350545	298.2352	298.2353434	298.2351644	
0.078	322.828	303.5294118	303.529244	303.5291721	303.5293	303.529461	303.5292821	
0.079	322.828	297.0588235	297.0586558	297.0585839	297.0588	297.0588728	297.0586938	
0.08	322.828	299.4117647	299.411597	299.4115251	299.4117	299.411814	299.411635	

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sim7	sim8	sim9	sim10	error1	error2	error3
299.4117946	299.4116279489	299.4119115	299.4119116	7.351048153	7.351100056	7.351122311
297.0588534	297.0586867724	297.0589703	297.0589704	8.079134218	8.079186122	8.079208376
303.5294416	303.5292750077	303.5295586	303.5295586	6.076897538	6.076949441	6.076971696
298.235324	298.2351573606	298.2354409	298.235441	7.715091185	7.715143089	7.715165344
300.5882651	300.5880985371	300.5883821	300.5883822	6.98700512	6.987057023	6.987079278
298.8235593	298.8233926548	298.8236762	298.8236763	7.533069669	7.533121572	7.533143827
300.0000298	299.999863243	300.0001468	300.0001469	7.169026636	7.16907854	7.169100794
300.0000298	299.999863243	300.0001468	300.0001469	7.085072907	7.085124858	7.085147132
300.0000298	299.999863243	300.0001468	300.0001469	7.085072907	7.085124858	7.085147132
300.0000298	299.999863243	300.0001468	300.0001469	7.028923302	7.028975284	7.028997572
300.0000298	299.999863243	300.0001468	300.0001469	7.028923302	7.028975284	7.028997572
300.0000298	299.999863243	300.0001468	300.0001469	7.017685236	7.017737224	7.017759515
300.0000298	299.999863243	300.0001468	300.0001469	7.017685236	7.017737224	7.017759515
300.0000298	299.999863243	300.0001468	300.0001469	7.009326965	7.009378957	7.00940125
300.0000298	299.999863243	300.0001468	300.0001469	7.009326965	7.009378957	7.00940125
300.0000298	299.999863243	300.0001468	300.0001469	6.998084161	6.998136159	6.998158455
300.0000298	299.999863243	300.0001468	300.0001469	6.998084161	6.998136159	6.998158455
300.0000298	299.999863243	300.0001468	300.0001469	6.992605912	6.992657914	6.992680211
300.0000298	299.999863243	300.0001468	300.0001469	6.992605912	6.992657914	6.992680211
300.0000298	299.999863243	300.0001468	300.0001469	6.96982101	6.969873025	6.969895327
300.0000298	299.999863243	300.0001468	300.0001469	6.96982101	6.969873025	6.969895327
300.0000298	299.999863243	300.0001468	300.0001469	6.953085746	6.95313777	6.953160076
300.0000298	299.999863243	300.0001468	300.0001469	6.953085746	6.95313777	6.953160076
300.0000298	299.999863243	300.0001468	300.0001469	6.930570205	6.930622242	6.930644554
300.0000298	299.999863243	300.0001468	300.0001469	6.930570205	6.930622242	6.930644554
300.0000298	299.999863243	300.0001468	300.0001469	6.941829338	6.941881368	6.941903677
300.0000298	299.999863243	300.0001468	300.0001469	6.941829338	6.941881368	6.941903677
300.0000298	299.999863243	300.0001468	300.0001469	6.936055764	6.936107798	6.936130108
300.0000298	299.999863243	300.0001468	300.0001469	6.936055764	6.936107798	6.936130108
300.0000298	299.999863243	300.0001468	300.0001469	6.92190748	6.921959522	6.921981836
300.0000298	299.999863243	300.0001468	300.0001469	6.92190748	6.921959522	6.921981836
300.0000298	299.999863243	300.0001468	300.0001469	6.902265999	6.902318051	6.90234037
300.0000298	299.999863243	300.0001468	300.0001469	6.902265999	6.902318051	6.90234037
300.0000298	299.999863243	300.0001468	300.0001469	6.905154972	6.905207023	6.905229341
300.0000298	299.999863243	300.0001468	300.0001469	6.905154972	6.905207023	6.905229341
300.0000298	299.999863243	300.0001468	300.0001469	6.879436807	6.879488872	6.879511196
300.0000298	299.999863243	300.0001468	300.0001469	6.879436807	6.879488872	6.879511196
300.0000298	299.999863243	300.0001468	300.0001469	6.862669005	6.86272108	6.862743408
300.0000298	299.999863243	300.0001468	300.0001469	6.862669005	6.86272108	6.862743408
300.0000298	299.999863243	300.0001468	300.0001469	6.871053661	6.871105731	6.871128057
300.0000298	299.999863243	300.0001468	300.0001469	6.871053661	6.871105731	6.871128057
300.0000298	299.999863243	300.0001468	300.0001469	6.853993635	6.854045715	6.854068045
300.0000298	299.999863243	300.0001468	300.0001469	6.853993635	6.854045715	6.854068045
300.0000298	299.999863243	300.0001468	300.0001469	6.871053661	6.871105731	6.871128057
300.0000298	299.999863243	300.0001468	300.0001469	6.871053661	6.871105731	6.871128057
300.0000298	299.999863243	300.0001468	300.0001469	6.873944571	6.87399664	6.874018965
300.0000298	299.999863243	300.0001468	300.0001469	6.873944571	6.87399664	6.874018965
300.0000298	299.999863243	300.0001468	300.0001469	6.879436807	6.879488872	6.879511196

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300.0000298	299.999863243	300.0001468	300.0001469	6.879436807	6.879488872	6.879511196
300.0000298	299.999863243	300.0001468	300.0001469	6.882327197	6.882379261	6.882401584
300.0000298	299.999863243	300.0001468	300.0001469	6.882327197	6.882379261	6.882401584
300.0000298	299.999863243	300.0001468	300.0001469	6.924795235	6.924847274	6.924869588
300.0000298	299.999863243	300.0001468	300.0001469	6.924795235	6.924847274	6.924869588
300.0000298	299.999863243	300.0001468	300.0001469	6.893598004	6.893650061	6.893672382
300.0000298	299.999863243	300.0001468	300.0001469	6.893598004	6.893650061	6.893672382
300.0000298	299.999863243	300.0001468	300.0001469	6.91353198	6.913584026	6.913606342
300.0000298	299.999863243	300.0001468	300.0001469	6.91353198	6.913584026	6.913606342
300.0000298	299.999863243	300.0001468	300.0001469	6.924795235	6.924847274	6.924869588
300.0000298	299.999863243	300.0001468	300.0001469	6.924795235	6.924847274	6.924869588
300.0000298	299.999863243	300.0001468	300.0001469	6.930570205	6.930622242	6.930644554
300.0000298	299.999863243	300.0001468	300.0001469	6.930570205	6.930622242	6.930644554
300.0000298	299.999863243	300.0001468	300.0001469	6.941829338	6.941881368	6.941903677
300.0000298	299.999863243	300.0001468	300.0001469	6.941829338	6.941881368	6.941903677
300.0000298	299.999863243	300.0001468	300.0001469	6.936055764	6.936107798	6.936130108
300.0000298	299.999863243	300.0001468	300.0001469	6.936055764	6.936107798	6.936130108
300.0000298	299.999863243	300.0001468	300.0001469	6.96145413	6.96150615	6.961528454
300.0000298	299.999863243	300.0001468	300.0001469	6.96145413	6.96150615	6.961528454
300.0000298	299.999863243	300.0001468	300.0001469	6.972705792	6.972757805	6.972780107
300.0000298	299.999863243	300.0001468	300.0001469	6.972705792	6.972757805	6.972780107
300.0000298	299.999863243	300.0001468	300.0001469	7.003850041	7.003902036	7.003924331
300.0000298	299.999863243	300.0001468	300.0001469	7.003850041	7.003902036	7.003924331
300.0000298	299.999863243	300.0001468	300.0001469	7.03180442	7.0318564	7.031878687
300.0000298	299.999863243	300.0001468	300.0001469	7.03180442	7.0318564	7.031878687
300.0000298	299.999863243	300.0001468	300.0001469	7.07125776	7.071309718	7.071331996
300.0000298	299.999863243	300.0001468	300.0001469	7.07125776	7.071309718	7.071331996
298.8235593	298.8233926548	298.8236762	298.8236763	7.4356842	7.435736158	7.435758436
300.5882651	300.5880985371	300.5883821	300.5883822	6.889044539	6.889096497	6.889118776
298.235324	298.2351573606	298.2354409	298.235441	7.61789742	7.617949378	7.617971656
303.5294416	303.5292750077	303.5295586	303.5295586	5.977978439	5.978030397	5.978052675
297.0588534	297.0586867724	297.0589703	297.0589704	7.98232386	7.982375818	7.982398096
299.4117946	299.4116279489	299.4119115	299.4119116	7.25347098	7.253522938	7.253545216
			mean error	6.990281191	6.990333204	6.990355506

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error4	error5	error6	error7	error8	error9	error10
7.351068257	7.351032908	7.351088281	7.351038917	7.35109047	7.351002725	7.351002703
8.079154323	8.079118974	8.079174347	8.079124982	8.079176536	8.079088791	8.079088768
6.076917642	6.076882293	6.076937666	6.076888302	6.076939856	6.07685211	6.076852088
7.71511129	7.715075941	7.715131314	7.715081949	7.715133503	7.715045758	7.715045735
6.987025224	6.986989875	6.987045248	6.986995884	6.987047438	6.986959692	6.98695967
7.533089774	7.533054425	7.533109797	7.533060433	7.533111987	7.533024242	7.533024219
7.169046741	7.169011392	7.169066765	7.1690174	7.169068954	7.168981209	7.168981186
7.08509303	7.085057649	7.085113072	7.085063663	7.085115263	7.085027439	7.085027416
7.08509303	7.085057649	7.085113072	7.085063663	7.085115263	7.085027439	7.085027416
7.028943437	7.028908034	7.028963491	7.028914052	7.028965683	7.028877806	7.028877783
7.028943437	7.028908034	7.028963491	7.028914052	7.028965683	7.028877806	7.028877783
7.017705373	7.017669967	7.01772543	7.017675985	7.017727623	7.017639735	7.017639712
7.017705373	7.017669967	7.01772543	7.017675985	7.017727623	7.017639735	7.017639712
7.009347103	7.009311694	7.009367162	7.009317712	7.009369355	7.009281459	7.009281436
7.009347103	7.009311694	7.009367162	7.009317712	7.009369355	7.009281459	7.009281436
6.998104302	6.998068888	6.998124363	6.998074907	6.998126556	6.998038649	6.998038627
6.998104302	6.998068888	6.998124363	6.998074907	6.998126556	6.998038649	6.998038627
6.992626055	6.992590639	6.992646117	6.992596658	6.99264831	6.992560398	6.992560376
6.992626055	6.992590639	6.992646117	6.992596658	6.99264831	6.992560398	6.992560376
6.969841157	6.969805733	6.969861224	6.969811754	6.969863418	6.969775485	6.969775462
6.969841157	6.969805733	6.969861224	6.969811754	6.969863418	6.969775485	6.969775462
6.953105897	6.953070466	6.953125968	6.953076488	6.953128162	6.953040213	6.95304019
6.953105897	6.953070466	6.953125968	6.953076488	6.953128162	6.953040213	6.95304019
6.930590361	6.930554922	6.930610437	6.930560946	6.930612632	6.930524661	6.930524639
6.930590361	6.930554922	6.930610437	6.930560946	6.930612632	6.930524661	6.930524639
6.941849491	6.941814056	6.941869564	6.941820079	6.941871759	6.941783799	6.941783776
6.941849491	6.941814056	6.941869564	6.941820079	6.941871759	6.941783799	6.941783776
6.936075919	6.936040481	6.936095993	6.936046505	6.936098188	6.936010222	6.9360102
6.936075919	6.936040481	6.936095993	6.936046505	6.936098188	6.936010222	6.9360102
6.921927638	6.921892195	6.921947716	6.92189822	6.921949911	6.921861932	6.921861909
6.921927638	6.921892195	6.921947716	6.92189822	6.921949911	6.921861932	6.921861909
6.902286161	6.90225071	6.902306243	6.902256736	6.902308438	6.902220441	6.902220418
6.902286161	6.90225071	6.902306243	6.902256736	6.902308438	6.902220441	6.902220418
6.905175133	6.905139684	6.905195214	6.90514571	6.90519741	6.905109415	6.905109393
6.905175133	6.905139684	6.905195214	6.90514571	6.90519741	6.905109415	6.905109393
6.879456974	6.879421515	6.87947706	6.879427542	6.879479256	6.879391238	6.879391215
6.879456974	6.879421515	6.87947706	6.879427542	6.879479256	6.879391238	6.879391215
6.862689176	6.862653711	6.862709266	6.862659739	6.862711463	6.862623428	6.862623405
6.862689176	6.862653711	6.862709266	6.862659739	6.862711463	6.862623428	6.862623405
6.87107383	6.871038367	6.871093918	6.871044395	6.871096114	6.871008088	6.871008065
6.87107383	6.871038367	6.871093918	6.871044395	6.871096114	6.871008088	6.871008065
6.854013808	6.853978339	6.8540339	6.853984368	6.854036096	6.853948053	6.853948031
6.854013808	6.853978339	6.8540339	6.853984368	6.854036096	6.853948053	6.853948031
6.87107383	6.871038367	6.871093918	6.871044395	6.871096114	6.871008088	6.871008065
6.87107383	6.871038367	6.871093918	6.871044395	6.871096114	6.871008088	6.871008065
6.87396474	6.873929278	6.873984827	6.873935306	6.873987024	6.873899	6.873898977
6.87396474	6.873929278	6.873984827	6.873935306	6.873987024	6.873899	6.873898977
6.879456974	6.879421515	6.87947706	6.879427542	6.879479256	6.879391238	6.879391215

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6.879456974	6.879421515	6.87947706	6.879427542	6.879479256	6.879391238	6.879391215
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6.882347363	6.882311905	6.882367449	6.882317932	6.882369645	6.882281629	6.882281606
6.924815392	6.92477995	6.924835468	6.924785974	6.924837664	6.924749688	6.924749665
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6.893618168	6.893582714	6.893638251	6.89358874	6.893640447	6.893552442	6.893552419
6.91355214	6.913516693	6.913572219	6.913522718	6.913574414	6.913486427	6.913486405
6.91355214	6.913516693	6.913572219	6.913522718	6.913574414	6.913486427	6.913486405
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6.924815392	6.92477995	6.924835468	6.924785974	6.924837664	6.924749688	6.924749665
6.930590361	6.930554922	6.930610437	6.930560946	6.930612632	6.930524661	6.930524639
6.930590361	6.930554922	6.930610437	6.930560946	6.930612632	6.930524661	6.930524639
6.941849491	6.941814056	6.941869564	6.941820079	6.941871759	6.941783799	6.941783776
6.941849491	6.941814056	6.941869564	6.941820079	6.941871759	6.941783799	6.941783776
6.936075919	6.936040481	6.936095993	6.936046505	6.936098188	6.936010222	6.9360102
6.936075919	6.936040481	6.936095993	6.936046505	6.936098188	6.936010222	6.9360102
6.96147428	6.961438852	6.961494349	6.961444874	6.961496543	6.961408601	6.961408579
6.96147428	6.961438852	6.961494349	6.961444874	6.961496543	6.961408601	6.961408579
6.972725939	6.972690515	6.972746005	6.972696536	6.972748199	6.972660268	6.972660246
6.972725939	6.972690515	6.972746005	6.972696536	6.972748199	6.972660268	6.972660246
7.003870181	7.003834769	7.00389024	7.003840788	7.003892434	7.003804532	7.00380451
7.003870181	7.003834769	7.00389024	7.003840788	7.003892434	7.003804532	7.00380451
7.031824554	7.031789153	7.031844607	7.03179517	7.0318468	7.031758925	7.031758902
7.031824554	7.031789153	7.031844607	7.03179517	7.0318468	7.031758925	7.031758902
7.071277885	7.071242499	7.07129793	7.071248514	7.071300122	7.071212284	7.071212262
7.071277885	7.071242499	7.07129793	7.071248514	7.071300122	7.071212284	7.071212262
7.435704325	7.435668939	7.43572437	7.435674954	7.435726562	7.435638724	7.435638702
6.889064665	6.889029279	6.88908471	6.889035294	6.889086902	6.888999064	6.888999042
7.617917545	7.617882159	7.61793759	7.617888174	7.617939782	7.617851944	7.617851922
5.977998565	5.977963178	5.97801861	5.977969193	5.978020801	5.977932964	5.977932941
7.982343986	7.982308599	7.982364031	7.982314614	7.982366222	7.982278385	7.982278362
7.253491105	7.253455719	7.25351115	7.253461734	7.253513342	7.253425504	7.253425482
6.990301338	6.990265914	6.990321404	6.990271935	6.990323598	6.990235667	6.990235644

mean of errors

6.99029254

Standard deviation of errors

4.11331E-05