(a)E <u>ul</u>	uler's method					
ť	Euler y	Exact y	Error			
1.0	0.000000	0.000000	0.000000			
1.1	0.100000	0.105160	0.005160			
1.2	0.209917	0.221243	0.011325			
1.3	0.330471	0.349121	0.018651			
1.4	0.462354	0.489682	0.027328			
1.5	0.606285	0.643875	0.037590			
1.6	0.763041	0.812753	0.049711			
1.7	0.933475	0.997494	0.064019			
1.8	1.118537	1.199439	0.080902			
1.9	1.319293	1.420116	0.100823			
2.0	1.536943	1.661282	0.124338			
(b)Tay t	lor's method o Taylor y	f order 2 Exact y	Error			
1.0	0.000000	 0.000000	0.000000			
1.0	0.000000	0.000000	0.000000			
1.1	0.105000	0.105160	0.000160			
1.0	0.000000	0.000000	0.000000			
1.0	0.000000	0.000000	0.000000			
1.1	0.105000	0.105160	0.000160			
1.2	0.220919	0.221243	0.000324			
1.3	0.348612	0.349121	0.000509			
1.4	0.488954	0.489682	0.000728			
1.5	0.642883	0.643875	0.000993			
1.6	0.811438	0.812753	0.001315			
1.7	0.995787	0.997494	0.001707			
1.8	1.197252	1.199439	0.002187			
1.9	1.417344	1.420116	0.002772			
2.0	1.657795	1.661282	0.003487			

(2)

	RK u1	RK u2	Exact u1	Exact u2	Error u1	Error u2
a.00	1.333333	0.666667	1.333333	0.666667	0.000000	0.000000
a.05	1.736416	-0.557790	1.912059	-0.909077	0.175642	0.351286
0.10	1.712220	-0.870315	1.793063	-1.032002	0.080842	0.161687
0.15	1.572693	-0.902907	1.601967	-0.961459	0.029274	0.058551
0.20	1.414072	-0.855015	1.423902	-0.874681	0.009831	0.019666
0.25	1.264430	-0.788784	1.267646	-0.795221	0.003216	0.006436
0.30	1.130526	-0.722892	1.131577	-0.724999	0.001051	0.002107
0.35	1.012645	-0.662347	1.012999	-0.663060	0.000354	0.000712
0.40	0.909278	-0.607948	0.909409	-0.608214	0.000130	0.000266
0.45	0.818571	-0.559267	0.818630	-0.559389	0.000059	0.000123
0.50	0.738752	-0.515581	0.738788	-0.515658	0.000036	0.000076
0.55	0.668247	-0.476164	0.668275	-0.476225	0.000028	0.000061
0.60	0.605684	-0.440356	0.605710	-0.440411	0.000025	0.000055
0.65	0.549886	-0.407584	0.549909	-0.407635	0.000024	0.000051
0.70	0.499837	-0.377355	0.499860	-0.377404	0.000023	0.000049
0.75	0.454673	-0.349248	0.454695	-0.349296	0.000022	0.000047
0.80	0.413650	-0.322908	0.413671	-0.322954	0.000021	0.000045
0.85	0.376137	-0.298033	0.376158	-0.298076	0.000020	0.000043
0.90	0.341595	-0.274368	0.341614	-0.274409	0.000019	0.000041
0.95	0.309565	-0.251700	0.309583	-0.251739	0.000018	0.000039
1.00	0.279658	-0.229852	0.279675	-0.229888	0.000017	0.000036
Runge-	Kutta 方法結果 (h	= 0.1)				
t	RK u1	RK u2	Exact u1	Exact u2	Error u1	Error u2
0.00	1.333333	0.666667	1.333333	0.666667	0.000000	0.000000
0.10	-2.645181	7.844542	1.793063	-1.032002	4.438244	8.876545
0.20	-18.451687	38.876582	1.423902	-0.874681	19.875589	39.751263
0.30	-87.473246	176.484740	1.131577	-0.724999	88.604823	177.209739
0.40	-394.077396	789.365487	0.909409	-0.608214	394.986805	789.973701
0.50	-1760.049044	3521.060091	0.738788	-0.515658	1760.787832	3521.575749
0.60	-7848.701114	15698.173311	0.605710	-0.440411	7849.306823	15698.613722
0.70	-34990.435183	69981.492746	0.499860	-0.377404	34990.935043	69981.870150
	-155983.489391	311967.483226	0.413671	-0.322954	155983.903063	311967.806179
0.80_			0.241614	-0.274409	695350.893065	1390701.78617
0.80 0.90	-695350.551451	1390701.511767	0.341614	-0.2/4403	693330.0530	1330/01./001/