n	TIMESTEP												
0													
ITEM:	NUMBER	OF	ATOMS			N	4						
4						Volume	5.6338						
ITEM:	BOX	BOUNDS											
-0.889687	0.889687												
-0.889687	0.889687												
-0.889687	0.889687												
id	mass	type	x	y	z	vx	vy	vz	fx	fy	fz	v_i^2	f_i*r_i
1	1	1	0	-0.889687	-0.889687	-0.0644279	-0.10129	-1.11588	25.6955	-33.8174	-13.1862	1.25959859	41.818492
2	1	1	-0.889687	0	-0.889687	-0.161177	0.744695	1.47298	-33.0497	-30.0732	-15.1453	2.75021875	42.878465
3	1	1	-0.889687	-0.889687	0	-0.62587	-0.16373	-1.51137	10.6197	7.19992	-6.12221	2.7027607	-15.853884
4	1	1	0	0	0	0.851475	-0.47967	1.15426	2.84868	-30.9571	-10.3494	2.28741297	0
											sum	8.99999101	68.843073
											T	0.999999	1 Perfectly!
											P	4.7832136	-5.4360941 Why?
											ke	1.1249989	1.125 Perfectly!

ITEM:	TIMESTEP												
2													
ITEM:	NUMBER	OF	ATOMS			N	4						
4						Volume	2.2012						
ITEM:	BOX	BOUNDS											
-0.650414	0.650414												
-0.650414	0.650414												
-0.650414	0.650414												
id	mass	type	x	y	z	vx	vy	vz	fx	fy	fz	v_i^2	f_i*r_i
1	1	1	8.09278e-05	-0.651983	-0.661934	-0.0387785	-0.22104	-1.63989	-22.3666	-4.2101	27.8218	2.73960343	-15.673092
2	1	1	-0.652543	0.00660256	-0.636481	-0.192105	0.750815	1.79993	34.3937	-76.1078	-79.5477	3.8403755	27.684725
3	1	1	-0.656332	-0.652635	-0.0155119	-0.79074	-0.39537	-2.1266	28.0864	4.63034	72.7899	5.30401158	-22.585035
4	1	1	0.00813874	-0.0059315	0.0104262	1.03927	-0.80897	1.39499	-44.0108	40.7297	-22.8152	3.68051655	-0.8376565
											sum	15.5645071	-11.411058
											T	1.7293897	1.7293883 Perfectly!
											P	1.4146247	314.88285 Why?
											ke	1.9455634	1.9455618 Perfectly!

Thermo OutPut

Step	Temp	PotEng	KinEng	Press	Volume	TotEng
0	1	-5.7446926	1.125	-5.4360941	5.6338028	-4.6196926
1	1.264846	-8.2467711	1.4229518	-4.5028596	4.1087443	-6.8238193
2	1.7293883	19.079223	1.9455618	314.88285	2.2011985	21.024784
3	0.00175225	-8.8081266e-05	0.001971283	1.4956774e-06	3043.5173	0.001883202
4	0.02683326	-0.003552811	0.03018742	0.000190405	273.52118	0.026634609
5	0.04169696	-0.005177293	0.046909083	0.000379608	220.43296	0.04173179
6	0.05921607	-0.007048385	0.06661808	0.000654263	185.35661	0.059569695
7	0.10122872	-0.009158679	0.11388231	0.001437213	160.33523	0.10472363
8	0.15814011	-0.01148054	0.17790763	0.002700625	141.67362	0.16642709
9	0.2249085	-0.013979759	0.25302206	0.004421928	127.30536	0.2390423
10	0.27728971	-0.017508918	0.31195092	0.005965354	115.98098	0.294442