



Mean (10 trials)	Ground Truth (N = 30, K = 3)				Ground Truth (N = 30, K = 3)				Ground Truth (N = 30, K = 3)				Ground Truth (N = 32, K = 4)				Ground Truth (N = 32, K = 4)				Ground Truth (N = 30, K = 3)		
	LS	AB	AE	AE-BS	LS	AB	AE	AE-BS	LS	AB	AE	AE-BS	LS	AB	AE	AE-BS	LS	AB	AE	AE-BS	LS	AB	AE
Purity	1.0000 ± 0.0000 Max: 1.0000	1.0000 ± 0.0000 Max: 1.0000	1.0000 ± 0.0000 Max: 1.0000	1.0000 ± 0.0000 Max: 1.0000	0.9667 ± 0.0000 Max: 0.9667	0.9667 ± 0.0000 Max: 0.9667	0.9667 ± 0.0000 Max: 0.9667	0.9667 ± 0.0000 Max: 0.9667	1.0000 ± 0.0000 Max: 1.0000	1.0000 ± 0.0000 Max: 1.0000	1.0000 ± 0.0000 Max: 1.0000	1.0000 ± 0.0000 Max: 1.0000	0.7500 ± 0.0000 Max: 0.7500	0.9500 ± 0.1000 Max: 1.0000	0.7781 ± 0.0745 Max: 1.0000	0.9750 ± 0.0750 Max: 1.0000	0.7500 ± 0.0000 Max: 0.7500	0.9750 ± 0.0750 Max: 1.0000	0.6000 ± 0.2000 Max: 1.0000	0.9250 ± 0.1601 Max: 1.0000	0.9667 ± 0.0000 Max: 0.9667	0.9667 ± 0.0000 Max: 0.9667	0.9667 ± 0.0000 Max: 0.9667
Energy	2380.6997 ± 0.0000 Max: 2380.6997	2380.6997 ± 0.0000 Max: 2380.6997	2380.6997 ± 0.0000 Max: 2380.6997	2380.6997 ± 0.0000 Max: 2380.6997	270.0859 ± 0.0000 Max: 270.0859	270.0859 ± 0.0000 Max: 270.0859	270.0859 ± 0.0000 Max: 270.0859	270.0859 ± 0.0000 Max: 270.0859	1214.7260 ± 0.0000 Max: 1214.7260	1214.7260 ± 0.0000 Max: 1214.7260	1214.7260 ± 0.0000 Max: 1214.7260	1214.7260 ± 0.0000 Max: 1214.7260	4198.3607 ± 0.0000 Max: 4198.3607	4252.9789 ± 27.4274 Max: 4266.6926	4206.1277 ± 20.3923 Max: 4266.6926	4259.8594 ± 20.4998 Max: 4266.6926	2213.8969 ± 0.0000 Max: 2213.8969	2324.4488 ± 36.8506 Max: 2336.7324	2131.8272 ± 102.4526 Max: 2336.7324	2298.0111 ± 82.3361 Max: 2336.7324	1001.6961 ± 0.0000 Max: 1001.6961	1001.6961 ± 0.0000 Max: 1001.6961	1001.6961 ± 0.0000 Max: 1001.6961
Energy Percentage (%)	98.81 ± 0.0000 Max: 98.81	98.81 ± 0.0000 Max: 98.81	98.81 ± 0.0000 Max: 98.81	98.81 ± 0.0000 Max: 98.81	92.55 ± 0.0000 Max: 92.55	92.55 ± 0.0000 Max: 92.55	92.55 ± 0.0000 Max: 92.55	92.55 ± 0.0000 Max: 92.55	97.89 ± 0.0000 Max: 97.89	97.89 ± 0.0000 Max: 97.89	97.89 ± 0.0000 Max: 97.89	97.89 ± 0.0000 Max: 97.89	98.35 ± 0.0000 Max: 98.35	99.63 ± 0.0064 Max: 99.95	98.53 ± 0.0048 Max: 99.95	99.79 ± 0.0048 Max: 99.95	94.48 ± 0.0000 Max: 94.48	99.19 ± 0.0157 Max: 99.72	90.97 ± 0.0437 Max: 99.72	98.07 ± 0.0351 Max: 99.72	97.95 ± 0.0000 Max: 97.95	97.95 ± 0.0000 Max: 97.95	97.95 ± 0.0000 Max: 97.95
Time (s)	0.0034 ± 0.0004	8.5174 ± 6.0231	3.0251 ± 0.4976	13.5146 ± 1.8957	0.0046 ± 0.0001	11.6429 ± 7.4878	4.3734 ± 0.8762	39.9279 ± 18.3185	0.0042 ± 0.0006	9.0740 ± 3.5139	3.1269 ± 0.2518	13.5201 ± 1.0746	0.0073 ± 0.0002	25.8307 ± 12.2195	10.4484 ± 2.1831	102.2516 ± 63.2158	0.0073 ± 0.0001	21.3964 ± 10.1266	11.2287 ± 4.3435	316.8071 ± 119.4579	0.0044 ± 0.0000	7.0574 ± 0.0000	4.4332 ± 0.0000