

TABLE XVI: Performance comparison of DLiSA against its variants (i.e., DLiSA-I and DLiSA-II) of over 100 run in system BATLIK. Statistically significant discrepancies are shown in bold ($\hat{A}_{12} > 0.56$ and p value < 0.05), where green cells indicate that DLiSA performs better; or red cells otherwise.

Workload	Algorithm	Mean (Std)	\hat{A}_{12} (p value)
W1	DLiSA	0.907 (0.014)	
	DLiSA-I	0.914 (0.029)	0.605 ($p = 0.004$)
	DLiSA-II	0.925 (0.043)	0.631 ($p < 0.001$)
W2	DLiSA	1.338 (0.019)	
	DLiSA-I	1.342 (0.021)	0.581 ($p = 0.023$)
	DLiSA-II	1.348 (0.026)	0.617 ($p = 0.001$)
W3	DLiSA	4.196 (0.056)	
	DLiSA-I	4.209 (0.071)	0.612 ($p = 0.004$)
	DLiSA-II	4.247 (0.123)	0.691 ($p < 0.001$)
W4	DLiSA	1.193 (0.026)	
	DLiSA-I	1.197 (0.022)	0.556 ($p = 0.140$)
	DLiSA-II	1.204 (0.027)	0.624 ($p = 0.001$)
W5	DLiSA	2.404 (0.036)	
	DLiSA-I	2.411 (0.037)	0.581 ($p = 0.023$)
	DLiSA-II	2.432 (0.057)	0.662 ($p < 0.001$)
W6	DLiSA	3.152 (0.042)	
	DLiSA-I	3.160 (0.052)	0.545 ($p = 0.224$)
	DLiSA-II	3.182 (0.081)	0.615 ($p = 0.002$)
W7	DLiSA	1.137 (0.016)	
	DLiSA-I	1.139 (0.022)	0.532 ($p = 0.350$)
	DLiSA-II	1.146 (0.027)	0.626 ($p = 0.001$)
W8	DLiSA	7.076 (0.077)	
	DLiSA-I	7.090 (0.111)	0.547 ($p = 0.217$)
	DLiSA-II	7.151 (0.193)	0.648 ($p < 0.001$)
W9	DLiSA	1.051 (0.014)	
	DLiSA-I	1.050 (0.013)	0.513 ($p = 0.730$)
	DLiSA-II	1.057 (0.018)	0.625 ($p = 0.001$)
W10	DLiSA	1.117 (0.017)	
	DLiSA-I	1.117 (0.012)	0.530 ($p = 0.360$)
	DLiSA-II	1.120 (0.017)	0.553 ($p = 0.110$)
W11	DLiSA	1.628 (0.038)	
	DLiSA-I	1.640 (0.049)	0.600 ($p = 0.006$)
	DLiSA-II	1.650 (0.052)	0.632 ($p < 0.001$)