TABLE XI: Performance comparison of DLiSA against its variants (i.e., DLiSA-I and DLiSA-II) of over 100 run in system LRZIP. 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)
	DLiSA	3.135 (0.035)	
W1	DLiSA-I	3.132 (0.029)	$0.549 \ (p = 0.196)$
	DLiSA-II	3.152 (0.071)	$0.508 \ (p = 0.827)$
	DLiSA	0.030 (0.000)	
W2	DLiSA-I	0.030 (0.000)	$0.500 \ (p = 1.000)$
	DLiSA-II	0.030 (0.001)	$0.505 \ (p = 0.322)$
	DLiSA	3.305 (0.014)	
W3	DLiSA-I	3.310 (0.020)	$0.586 \ (p = 0.015)$
	DLiSA-II	3.312 (0.022)	$0.611 \ (p = 0.002)$
	DLiSA	7.159 (0.032)	
W4	DLiSA-I	7.191 (0.120)	0.572 (p = 0.017)
	DLiSA-II	7.189 (0.123)	$0.579 \ (p = 0.014)$
	DLiSA	33.421 (0.150)	
W5	DLiSA-I	33.401 (0.020)	0.502 (p = 0.944)
	DLiSA-II	33.420 (0.155)	$0.520 \ (p = 0.524)$
	DLiSA	0.971 (0.003)	
W6	DLiSA-I	0.973 (0.006)	0.542 (p = 0.079)
	DLiSA-II	0.973 (0.008)	$0.548 \ (p = 0.047)$
	DLiSA	0.192 (0.004)	
W7	DLiSA-I	0.194 (0.005)	$0.570 \ (p = 0.030)$
	DLiSA-II	0.194 (0.006)	0.598 (p = 0.003)
	DLiSA	10.907 (0.020)	
W8	DLiSA-I	10.917 (0.033)	0.574 (p = 0.016)
	DLiSA-II	10.927 (0.070)	$0.581 \ (p = 0.009)$
	DLiSA	9.197 (0.314)	
W9	DLiSA-I	9.232 (0.323)	$0.529 \ (p = 0.444)$
	DLiSA-II	9.304 (0.452)	$0.543 \ (p = 0.268)$
	DLiSA	5.358 (0.228)	
W10	DLiSA-I	5.459 (0.326)	0.589 (p = 0.006)
	DLiSA-II	5.480 (0.343)	0.595 (p = 0.003)
	DLiSA	2.089 (0.022)	
W11	DLiSA-I	2.095 (0.029)	0.512 (p = 0.734)
	DLiSA-II	2.104 (0.041)	$0.565 \ (p = 0.080)$
	DLiSA	3.477 (0.065)	
W12	DLiSA-I	3.484 (0.073)	0.509 (p = 0.811)
	DLiSA-II	3.483 (0.077)	$0.515 \ (p = 0.695)$
	DLiSA	2.530 (0.018)	
	DLISK		
W13	DLISA DLiSA-I	2.530 (0.018)	$0.513 \ (p = 0.692)$

Algorithm Mean (Std) \hat{A}_{12} (p value) Workload 5.856 (0.011) DLiSA W1DLiSA-T 5.856 (0.011) 0.519 (p = 0.582)

TABLE VIII: Performance comparison of DLiSA against its

variants (i.e., DLiSA-I and DLiSA-II) of over 100 run in

system z3. Statistically significant discrepancies are shown

in bold ($\tilde{A}_{12}>0.56$ and p value < 0.05), where green cells

indicate that DLiSA performs better; or red cells otherwise.

	DLISA-I	5.856 (0.011)	0.519 (p = 0.582)
	DLiSA-II	5.858 (0.012)	$0.558 \ (p = 0.095)$
	DLiSA	2.254 (0.608)	
W2	DLiSA-I	2.120 (0.510)	0.555 (p = 0.132)
	DLiSA-II	1.998 (0.435)	0.619 (<i>p</i> < 0.001)
	DLiSA	0.364 (0.660)	
W3	DLiSA-I	0.302 (0.617)	0.506 (p = 0.861)
	DLiSA-II	0.354 (0.627)	$0.511 \ (p = 0.770)$
	DLiSA	2.324 (0.150)	
W4	DLiSA-I	2.313 (0.130)	$0.503 \ (p = 0.933)$
	DLiSA-II	2.303 (0.107)	$0.508 \ (p = 0.826)$
	DLiSA	3.150 (0.111)	
W5	DLiSA-I	3.173 (0.237)	$0.532 \ (p = 0.385)$
	DLiSA-II	3.170 (0.097)	0.629 $(p < 0.001)$
	DLiSA	1.322 (0.130)	
W6	DLiSA-I	1.313 (0.085)	$0.513 \ (p = 0.618)$
	DLiSA-II	1.387 (0.245)	$0.585 \ (p = 0.006)$
	DLiSA	0.292 (0.458)	
W7	DLiSA-I	0.221 (0.004)	0.532 (p = 0.102)
	DLiSA-II	0.249 (0.152)	$0.522 \ (p = 0.365)$
	DLiSA	8.746 (0.005)	
W8	DLiSA-I	8.746 (0.005)	$0.508 \ (p = 0.823)$
	DLiSA-II	8.806 (0.590)	$0.520 \ (p = 0.570)$
	DLiSA	3.181 (0.003)	
W9	DLiSA-I	3.181 (0.003)	$0.515 \ (p = 0.491)$
	DLiSA-II	3.182 (0.004)	$0.530 \ (p = 0.237)$
	DLiSA	6.816 (0.236)	
W10	DLiSA-I	6.804 (0.222)	$0.502 \ (p = 0.953)$
	DLiSA-II	6.817 (0.246)	$0.513 \ (p = 0.746)$
	DLiSA	7.948 (0.654)	
W11	DLiSA-I	7.940 (0.499)	$0.504 \ (p = 0.919)$
	DLiSA-II	7.940 (0.506)	$0.517 \ (p = 0.677)$
	DLiSA	3.878 (0.009)	
W12	DLiSA-I	3.878 (0.008)	$0.507 \ (p = 0.846)$
** 12	DLiSA-II	3.900 (0.148)	0.595 (p = 0.014)

Workload Mean (Std) Algorithm A_{12} (p value) DLiSA 0.907 (0.014) 0.605 (p = 0.004)W1DLiSA-I 0.914 (0.029) DLiSA-II 0.925 (0.043) $0.631 \ (p < 0.001)$ DLiSA 1.338 (0.019)

its variants (i.e., DLiSA-I and DLiSA-II) of over 100 run in system BATLIK. Statistically significant discrepancies

are shown in bold ($\tilde{A}_{12}>0.56$ and p value < 0.05), where

green cells indicate that DLiSA performs better; or red cells

otherwise.

Workload

Algorithm

	W2	DLiSA-I	1.342 (0.021)	$0.581 \ (p = 0.023)$
		DLiSA-II	1.348 (0.026)	$0.617 \ (p = 0.001)$
-		DLiSA	4.196 (0.056)	
	W3	DLiSA-I	4.209 (0.071)	$0.612 \ (p = 0.004)$
		DLiSA-II	4.247 (0.123)	0.691 $(p < 0.001)$
-		DLiSA	1.193 (0.026)	
	W4	DLiSA-I	1.197 (0.022)	$0.556 \ (p = 0.140)$
		DLiSA-II	1.204 (0.027)	$0.624 \ (p = 0.001)$
		DLiSA	2.404 (0.036)	
	W5	DLiSA-I	2.411 (0.037)	$0.581 \ (p = 0.023)$
		DLiSA-II	2.432 (0.057)	$0.662 \ (p < 0.001)$
		DLiSA	3.152 (0.042)	
	W6	DLiSA-I	3.160 (0.052)	$0.545 \ (p = 0.224)$
		DLiSA-II	3.182 (0.081)	$0.615 \ (p = 0.002)$
		DLiSA	1.137 (0.016)	
	W7	DLiSA-I	1.139 (0.022)	$0.532 \ (p = 0.350)$
		DLiSA-II	1.146 (0.027)	$0.626 \ (p = 0.001)$
		DLiSA	7.076 (0.077)	
	W8	DLiSA-I	7.090 (0.111)	$0.547 \ (p = 0.217)$
		DLiSA-II	7.151 (0.193)	$0.648 \ (p < 0.001)$
		DLiSA	1.051 (0.014)	
	W9	DLiSA-I	1.050 (0.013)	$0.513 \ (p = 0.730)$
		DLiSA-II	1.057 (0.018)	$0.625 \ (p = 0.001)$
		DLiSA	1.117 (0.017)	
	W10	DLiSA-I	1.117 (0.012)	$0.530 \ (p = 0.360)$
		DLiSA-II	1.120 (0.017)	$0.553 \ (p = 0.110)$
		DLiSA	1.628 (0.038)	
	W11	DLiSA-I	1.640 (0.049)	$0.600 \ (p = 0.006)$
		DLiSA-II	1.650 (0.052)	0.632 $(p < 0.001)$
-	DIE W	D C		
			comparison of	
va	riants (i.e.,	DLiSA-I	and DLiSA-II) of over 100 run in
				crepancies are shown
				, where green cells
ino	dicate that	DLiSA per	forms better; or	red cells otherwise.

0.890 (0.140) DLiSA W1 DLiSA-I 1.070 (0.963) **0.648** (*p* <**0.001**) DLiSA-II 0.954 (0.228) $0.567 \ (p = 0.100)$ 3.590 (0.567) DLiSA W2 DLiSA-I 4.130 (1.004) **0.660** (*p* <**0.001**) $0.524 \ (p = 0.562)$ DLiSA-II 3.731 (0.789)

Mean (Std)

 A_{12} (p value)

DLISA-I DLISA-II	1.466 (0.365) 1.344 (0.338) 1.586 (0.236) 1.935 (1.281) 1.649 (0.364) 3.222 (0.514) 3.670 (0.939) 3.442 (0.895) 0.100 (0.013) 0.115 (0.049) 0.104 (0.015) 0.572 (0.110) 0.668 (0.201)	0.656 $(p < 0.001)$ 0.544 $(p = 0.278)$ 0.666 $(p < 0.001)$ 0.516 $(p = 0.702)$ 0.659 $(p < 0.001)$ 0.550 $(p = 0.218)$ 0.687 $(p < 0.001)$ 0.573 $(p = 0.065)$ 0.656 $(p < 0.001)$
DLISA DLISA-I DLISA-II DLISA DLISA-I DLISA-II DLISA-II DLISA-II DLISA DLISA-I DLISA-I DLISA-I	1.586 (0.236) 1.935 (1.281) 1.649 (0.364) 3.222 (0.514) 3.670 (0.939) 3.442 (0.895) 0.100 (0.013) 0.115 (0.049) 0.104 (0.015) 0.572 (0.110) 0.668 (0.201)	0.666 ($p < 0.001$) 0.516 ($p = 0.702$) 0.659 ($p < 0.001$) 0.550 ($p = 0.218$) 0.687 ($p < 0.001$) 0.573 ($p = 0.065$)
DLISA-I DLISA-II DLISA DLISA-I DLISA-II DLISA-II DLISA-II DLISA-I DLISA-I DLISA-II DLISA-II	1.935 (1.281) 1.649 (0.364) 3.222 (0.514) 3.670 (0.939) 3.442 (0.895) 0.100 (0.013) 0.115 (0.049) 0.104 (0.015) 0.572 (0.110) 0.668 (0.201)	0.516 $(p = 0.702)$ 0.659 $(p < 0.001)$ 0.550 $(p = 0.218)$ 0.687 $(p < 0.001)$ 0.573 $(p = 0.065)$
DLISA-II DLISA DLISA-I DLISA-II DLISA-II DLISA DLISA-I DLISA-I DLISA-II	1.649 (0.364) 3.222 (0.514) 3.670 (0.939) 3.442 (0.895) 0.100 (0.013) 0.115 (0.049) 0.104 (0.015) 0.572 (0.110) 0.668 (0.201)	0.516 $(p = 0.702)$ 0.659 $(p < 0.001)$ 0.550 $(p = 0.218)$ 0.687 $(p < 0.001)$ 0.573 $(p = 0.065)$
DLISA DLISA-I DLISA-II DLISA DLISA DLISA-I DLISA-II DLISA-II DLISA	3.222 (0.514) 3.670 (0.939) 3.442 (0.895) 0.100 (0.013) 0.115 (0.049) 0.104 (0.015) 0.572 (0.110) 0.668 (0.201)	0.659 ($p < 0.001$) 0.550 ($p = 0.218$) 0.687 ($p < 0.001$) 0.573 ($p = 0.065$)
DLiSA-I DLiSA-II DLiSA DLiSA-I DLiSA-II DLiSA DLiSA-I	3.670 (0.939) 3.442 (0.895) 0.100 (0.013) 0.115 (0.049) 0.104 (0.015) 0.572 (0.110) 0.668 (0.201)	$0.550 \ (p = 0.218)$ $0.687 \ (p < 0.001)$ $0.573 \ (p = 0.065)$
DLiSA-II DLiSA DLiSA-I DLiSA-II DLiSA DLiSA-I	3.442 (0.895) 0.100 (0.013) 0.115 (0.049) 0.104 (0.015) 0.572 (0.110) 0.668 (0.201)	$0.550 \ (p = 0.218)$ $0.687 \ (p < 0.001)$ $0.573 \ (p = 0.065)$
DLiSA DLiSA-I DLiSA-II DLiSA DLiSA-I	0.100 (0.013) 0.115 (0.049) 0.104 (0.015) 0.572 (0.110) 0.668 (0.201)	0.687 (<i>p</i> < 0.001) 0.573 (<i>p</i> = 0.065)
DLiSA-I DLiSA-II DLiSA DLiSA-I	0.115 (0.049) 0.104 (0.015) 0.572 (0.110) 0.668 (0.201)	$0.573 \ (p = 0.065)$
DLiSA-II DLiSA DLiSA-I	0.104 (0.015) 0.572 (0.110) 0.668 (0.201)	$0.573 \ (p = 0.065)$
DLiSA DLiSA-I	0.572 (0.110) 0.668 (0.201)	
DLiSA-I	0.668 (0.201)	$0.656 \ (p < 0.001)$
	\ /	$0.656 \ (p < 0.001)$
DLiSA-II	0.500 (0.101)	
	0.583 (0.131)	$0.513 \ (p = 0.75)$
DLiSA	0.133 (0.019)	
DLiSA-I	0.166 (0.133)	$0.658 \ (p < 0.001)$
DLiSA-II	0.138 (0.022)	$0.567 \ (p = 0.091)$
DLiSA	0.240 (0.031)	
DLiSA-I	0.258 (0.042)	0.657 (<i>p</i> < 0.001)
DLiSA-II	0.243 (0.030)	$0.535 \ (p = 0.383)$
	nce comparison	of DLiSA agains
	Performar	Performance comparison

otherwise.

are shown in bold ($A_{12}>0.56$ and p value < 0.05), where green cells indicate that DLiSA performs better; or red cells

Workload	Algorithm	Mean (Std)	\hat{A}_{12} (p value)
	DLiSA	2.573 (0.828)	
W1	DLiSA-I	2.644 (0.629)	$0.593 \ (p = 0.023)$
	DLiSA-II	2.565 (0.624)	$0.546 \ (p = 0.263)$
	DLiSA	0.846 (0.197)	
W2	DLiSA-I	0.927 (0.252)	$0.606 \ (p = 0.009)$
	DLiSA-II	0.908 (0.226)	0.592 (p = 0.025)
	DLiSA	1.309 (0.368)	
W3	DLiSA-I	1.431 (0.384)	0.611 $(p = 0.007)$
	DLiSA-II	1.380 (0.365)	$0.573 \ (p = 0.075)$
	DLiSA	0.642 (0.076)	
W4	DLiSA-I	0.678 (0.136)	$0.582 \ (p = 0.045)$
	DLiSA-II	0.691 (0.141)	0.594 (p = 0.021)
	DLiSA	1.045 (0.246)	
W5	DLiSA-I	1.127 (0.281)	$0.642 \ (p = 0.001)$
	DLiSA-II	1.174 (0.378)	$0.631 \ (p = 0.001)$
	DLiSA	0.298 (0.018)	
W6	DLiSA-I	0.307 (0.028)	$0.622 \ (p = 0.002)$
	DLiSA-II	0.305 (0.033)	$0.565 \ (p = 0.099)$

TABLE IX: Performance comparison of DLiSA against its variants (i.e., DLiSA-I and DLiSA-II) of over 100 run in system XZ. 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)
	DLiSA	3.813 (0.849)	
W1	DLiSA-I	5.871 (3.399)	$0.762 \ (p < 0.001)$
	DLiSA-II	4.494 (1.316)	$0.674 \ (p < 0.001)$
	DLiSA	0.011 (0.003)	
W2	DLiSA-I	0.018 (0.008)	$0.746 \ (p < 0.001)$
	DLiSA-II	0.012 (0.004)	0.535 (p = 0.149)
	DLiSA	3.835 (0.966)	
W3	DLiSA-I	5.976 (3.116)	0.790 (<i>p</i> < 0.001)
	DLiSA-II	3.998 (1.023)	$0.588 \ (p = 0.033)$
	DLiSA	11.102 (2.73)	
W4	DLiSA-I	21.186 (19.258)	$0.753 \ (p < 0.001)$
	DLiSA-II	11.682 (3.294)	$0.538 \ (p = 0.352)$
	DLiSA	11.702 (3.297)	
W5	DLiSA-I	18.852 (11.245)	$0.782 \ (p < 0.001)$
	DLiSA-II	12.161 (3.802)	$0.522 \ (p = 0.583)$
	DLiSA	1.638 (0.375)	-
W6	DLiSA-I	2.622 (1.17)	$0.799 \ (p < 0.001)$
	DLiSA-II	1.79 (0.492)	$0.586 \ (p = 0.036)$
	DLiSA	0.196 (0.015)	
W7	DLiSA-I	0.235 (0.052)	0.810 (<i>p</i> < 0.001)
	DLiSA-II	0.199 (0.016)	$0.567 \ (p = 0.088)$
	DLiSA	23.789 (5.998)	
W8	DLiSA-I	37.162 (19.153)	$0.787 \ (p < 0.001)$
	DLiSA-II	26.167 (7.82)	$0.569 \ (p = 0.094)$
W9	DLiSA	21.324 (5.188)	<u> </u>
	DLiSA-I	41.339 (34.657)	$0.831 \ (p < 0.001)$
	DLiSA-II	23.112 (6.467)	$0.578 \ (p = 0.058)$
	DLiSA	10.605 (2.606)	4
W10	DLiSA-I	18.148 (12.152)	$0.816 \ (p < 0.001)$
	DLiSA-II	11.607 (2.975)	$0.596 \ (p = 0.019)$
	DLiSA	2.804 (0.775)	Q
W11	DLiSA-I	4.016 (1.902)	$0.751 \ (p < 0.001)$
	DLiSA-II	3.051 (0.802)	$0.587 \ (p = 0.033)$
	DLiSA	5.341 (1.318)	Q
W12	DLiSA-I	8.681 (5.194)	$0.771 \ (p < 0.001)$
	DLiSA-II	5.809 (1.667)	$0.570 \ (p = 0.085)$
	DLiSA	2.939 (0.721)	(F 3,000)
W13	DLiSA-I	4.274 (1.697)	0.790 (<i>p</i> < 0.001)
	DLiSA-II	3.163 (0.838)	$0.573 \ (p = 0.073)$

Mean (Std) Workload Algorithm \hat{A}_{12} (p value) DLiSA 1.849 (0.105) W1DLiSA-I 0.638 (p = 0.001)1.881 (0.130) $0.646 \ (p < 0.001)$ DLiSA-II 1.881 (0.117) 1.115 (0.049) DLiSA W2 DLiSA-I 1.128 (0.078) $0.524 \ (p = 0.552)$ DLiSA-II 1.132 (0.081) 0.544~(p=0.280)0.375 (0.008) DLiSA W3 0.376 (0.007) 0.548 (p = 0.182)

TABLE XV: Performance comparison of DLiSA against its

variants (i.e., DLiSA-I and DLiSA-II) of over 100 run

in system DCONVERT. Statistically significant discrepancies

are shown in bold ($A_{12}>0.56$ and p value < 0.05), where

green cells indicate that DLiSA performs better; or red cells

otherwise.

	DLiSA-I	0.376 (0.007)	$0.548 \ (p = 0.182)$
	DLiSA-II	0.377 (0.008)	$0.589 \ (p = 0.017)$
	DLiSA	1.605 (0.067)	
W4	DLiSA-I	1.611 (0.072)	$0.549 \ (p = 0.223)$
	DLiSA-II	1.618 (0.075)	$0.576 \ (p = 0.059)$
	DLiSA	0.503 (0.019)	
W5	DLiSA-I	0.505 (0.021)	$0.541 \ (p = 0.304)$
	DLiSA-II	0.509 (0.020)	$0.596 \ (p = 0.016)$
	DLiSA	0.376 (0.011)	
W6	DLiSA-I	0.379 (0.011)	$0.579 \ (p = 0.041)$
	DLiSA-II	0.383 (0.013)	$0.641 \ (p < 0.001$
	DLiSA	17.366 (2.734)	
W7	DLiSA-I	17.582 (3.134)	$0.566 \ (p = 0.103)$
	DLiSA-II	17.754 (3.067)	0.565 (p = 0.109)
	DLiSA	1.032 (0.027)	
W8	DLiSA-I	1.040 (0.032)	$0.570 \ (p = 0.081)$
	DLiSA-II	1.044 (0.033)	$0.617 \ (p = 0.004)$
	DLiSA	0.473 (0.014)	
W9	DLiSA-I	0.476 (0.014)	0.566 (p = 0.098)
	DLiSA-II	0.475 (0.016)	0.555 (p = 0.170)
	DLiSA	1.438 (0.009)	
W10	DLiSA-I	1.440 (0.010)	0.554 (p = 0.165)
	DLiSA-II	1.440 (0.011)	$0.532 \ (p = 0.403)$
	DLiSA	1.444 (0.019)	
W11	DLiSA-I	1.447 (0.017)	0.555 (p = 0.171)
	DLiSA-II	1.447 (0.018)	$0.533 \ (p = 0.415)$
	DLiSA	0.487 (0.007)	
W12	DLiSA-I	0.488 (0.010)	0.522 (p = 0.561)
	DLiSA-II	0.488 (0.008)	0.559 (p = 0.118)

are shown in bold ($A_{12}>0.56$ and p value < 0.05), where green cells indicate that DLiSA performs better; or red cells otherwise. Workload Algorithm Mean (Std) A_{12} (p value) DLiSA 0.986 (0.866) W1 2.148 (3.514) $0.682 \ (p < 0.001)$ DLiSA-I $0.587 \ (p = 0.034)$ DLiSA-II 1.227 (1.142) DLiSA 0.131 (0.032) W2 0.158 (0.049) $0.680 \ (p < 0.001)$ DLiSA-I

run in system KANZI. Statistically significant discrepancies

	DLiSA-II	0.146 (0.039)	$0.618 \ (p = 0.003)$
	DLiSA	0.308 (0.129)	
W3	DLiSA-I	0.527 (0.94)	$0.579 \ (p = 0.054)$
	DLiSA-II	0.312 (0.208)	$0.529 \ (p = 0.470)$
	DLiSA	1.173 (0.697)	
W4	DLiSA-I	2.601 (3.114)	0.702 $(p < 0.001)$
	DLiSA-II	1.603 (1.173)	$0.619 \ (p = 0.004)$
	DLiSA	0.938 (0.604)	
W5	DLiSA-I	1.589 (1.446)	0.708 $(p < 0.001)$
	DLiSA-II	1.194 (0.881)	$0.593 \ (p = 0.023)$
	DLiSA	0.433 (0.263)	
W6	DLiSA-I	0.647 (0.536)	0.644 $(p < 0.001)$
	DLiSA-II	0.514 (0.402)	$0.521 \ (p = 0.616)$
	DLiSA	0.177 (0.078)	
W7	DLiSA-I	0.234 (0.155)	$0.637 \ (p = 0.001)$
	DLiSA-II	0.188 (0.075)	$0.568 \ (p = 0.093)$
	DLiSA	2.347 (2.228)	
W8	DLiSA-I	5.643 (9.41)	0.690 $(p < 0.001)$
	DLiSA-II	3.203 (3.692)	$0.593 \ (p = 0.024)$
	DLiSA	0.709 (0.585)	
W9	DLiSA-I	1.402 (2.631)	0.670 $(p < 0.001)$
	DLiSA-II	0.851 (0.621)	0.595 (p = 0.021)

indicate that DLiSA performs better; or red cells otherwise. Workload Algorithm Mean (Std) \hat{A}_{12} (p value) 26721.450 (705.601) DLiSA **0.641** (p = 0.001)W1DLiSA-I 26489.732 (775.103) 26644.835 (654.267) DLiSA-II $0.566 \ (p = 0.104)$ 18972.982 (758.262) DLiSA **0.599** (p = 0.015) 0.559 (p = 0.150) W2 DLiSA-I 18863.828 (809.835)

18931.037 (547.111)

948.344 (38.602)

DLiSA-II

DLiSA

variants (i.e., DLiSA-I and DLiSA-II) of over 100 run in

system H2. Statistically significant discrepancies are shown

in bold $(A_{12}>0.56$ and p value < 0.05), where green cells

W3	DLiSA-I	943.536 (41.821)	$0.541 \ (p = 0.315)$
	DLiSA-II	938.459 (45.506)	$0.567 \ (p = 0.100)$
	DLiSA	1032.006 (45.261)	
W4	DLiSA-I	1013.514 (82.642)	$0.578 \ (p = 0.057)$
	DLiSA-II	1006.602 (88.074)	$0.602 \ (p = 0.013)$
	DLiSA	47835.194 (2491.758)	
W5	DLiSA-I	47999.853 (1876.084)	$0.509 \ (p = 0.830)$
	DLiSA-II	47763.929 (2437.681)	$0.543 \ (p = 0.290)$
	DLiSA	48335.083 (488.968)	
W6	DLiSA-I	48277.883 (559.910)	0.548 (p = 0.239)
	DLiSA-II	47866.219 (1882.315)	$0.638 \ (p = 0.001)$
	DLiSA	20037.040 (1584.735)	
W7	DLiSA-I	20103.313 (1244.099)	$0.530 \ (p = 0.457)$
	DLiSA-II	20124.243 (1258.559)	$0.500 \ (p = 0.993)$
	DLiSA	28129.890 (1669.565)	
W8	DLiSA-I	28033.752 (1665.729)	$0.523 \ (p = 0.572)$
	DLiSA-II	27691.456 (1923.862)	$0.566 \ (p = 0.108)$