# Output tables for 1xN statistical comparisons.

#### September 9, 2024

## 1 Average rankings of Friedman test

Average ranks obtained by each method in the Friedman test.

$\kappa$	8.5	6.1875	7.8125	2.5	2.625	2.25	2.625	6.25	6.25
Algorithm	Random	NN	Sweep	SaveSeq	SaveParall	MJ	$_{ m CMT}$	Kilby	SaveMatch

Table 1: Average Rankings of the algorithms (Friedman)

Friedman statistic (distributed according to chi-square with 8 degrees of freedom): 53.108333.

### 2 Post hoc comparison (Friedman)

P-values obtained in by applying post hoc methods over the results of Friedman procedure.

i	algorithm	$z = (R_0 - R_i)/SE$	
∞	Random	4.564355	0.000005
7	Sweep	4.062276	0.000049
9	Kilby	2.921187	0.003487
ಬ	SaveMatch	2.921187	0.003487
4	ZZ	2.875543	0.004033
က	SaveParall	0.273861	0.784191
2	$_{ m CMT}$	0.273861	0.784191
_	SaveSed	0.182574	0.855132

Table 2: Post Hoc comparison Table for  $\alpha = 0.05$  (FRIEDMAN)

#### 3 Adjusted P-Values (Friedman)

Adjusted P-values obtained through the application of the post hoc methods (Friedman).

unadjusted $p$	1 Random 0.000005	0.000049	0.003487	0.003487	0.004033	0.784191	0.784191	0.855132
algorithm	Random	Sweep	Kilby	SaveMatch	NN	SaveParall	$_{ m CMT}$	SaveSeq
-	-	2	က	4	ည	9	7	$\infty$

Table 3: Adjusted p-values (FRIEDMAN) (I)

unadjusted $p$	0.000005	0.000049	0.003487	0.003487	0.004033	0.784191	0.784191	0.855132
algorithm	Random	Sweep	Kilby	SaveMatch	NN	SaveParall	$_{ m CMT}$	SaveSeq
.1	-	2	33	4	2	9	2	$\infty$

Table 4: Adjusted p-values (FRIEDMAN) (II)