## Wilcoxon Signed Ranks test.

KEEL non-parametric statistical module  $\label{eq:July 14} \text{July 14, 2024}$ 

	(1)	(2)
BHCVRP-act (1)	ı	14.0
BHCVRP $(2)$	14.0	ı

Table 1: Ranks computed by the Wilcoxon test

	(1)	(2)
$oxed{BHCVRP-act}$ (1)	1	
BHCVRP (2)		I

Table 2: Summary of the Wilcoxon test.  $\bullet$ = the method in the row improves the method of the column.  $\circ$ = the method in the column improves the method of the row. Upper diagonal of level significance  $\alpha = 0.9$ , Lower diagonal level of significance  $\alpha = 0.95$ 

	$\alpha = 0.9$		$\alpha = 0.95$	
Method	+	土	+	土
BHCVRP-act	0	1	0	1
BHCVRP	0	1	0	1

Table 3: Wilcoxon test summary results