Wilcoxon Signed Ranks test.

	(1)	(2)	(3)	(4)
Average Fitness $HC(1)$	I	4.0	0.0	0.9
$oxedsymbol{oxedsymbol{ iny{A}}}$ Average Fitness HCRR (2)	17.0	-	11.0	21.0
[Average Fitness SA (3) $]$	21.0	10.0	ı	10.0
$oxedsymbol{oxed{GRASP}}$ Average Fitness GRASP (4) $oxed{oxed{A}}$	15.0	0.0	11.0	-

Table 1: Ranks computed by the Wilcoxon test

	(1)	(2)	(3)	$ \boxed{(4)} $
Average Fitness $HC(1)$	ī		0	
[Average Fitness HCRR (2)		-		•
Average Fitness SA (3)	•		-	
Average Fitness GRASP (4)		0		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	+	±	+	±
Average Fitness HC	0	2	0	2
Average Fitness HCRR	1	3	1	3
Average Fitness SA	1	3	1	3
Average Fitness GRASP	0	2	0	2

Table 3: Wilcoxon test summary results