Wilcoxon Signed Ranks test.

	(1)	(2)	(3)	(4)
Average Fitness HC (1)	I	10.5	73.5	10.5
Average Fitness HCRR (2)	125.5	1	102.0	0.08
Average Fitness SA (3)	62.5	18.0	ı	18.0
Average Fitness GRASP (4)	125.5	97.0	102.0	I

Table 1: Ranks computed by the Wilcoxon test

	(1)	(2)	(3)	(4)
Average Fitness $HC(1)$	I	0		0
$oxedsymbol{oxed{A}}$ Average Fitness HCRR (2)	•	-	•	
Average Fitness SA (3)		0	_	0
Average Fitness GRASP (4)	•		•	-

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
Average Fitness HC	0	1	0	1
Average Fitness HCRR	2	3	2	3
Average Fitness SA	0	1	0	1
Average Fitness GRASP	2	3	2	3

Table 3: Wilcoxon test summary results