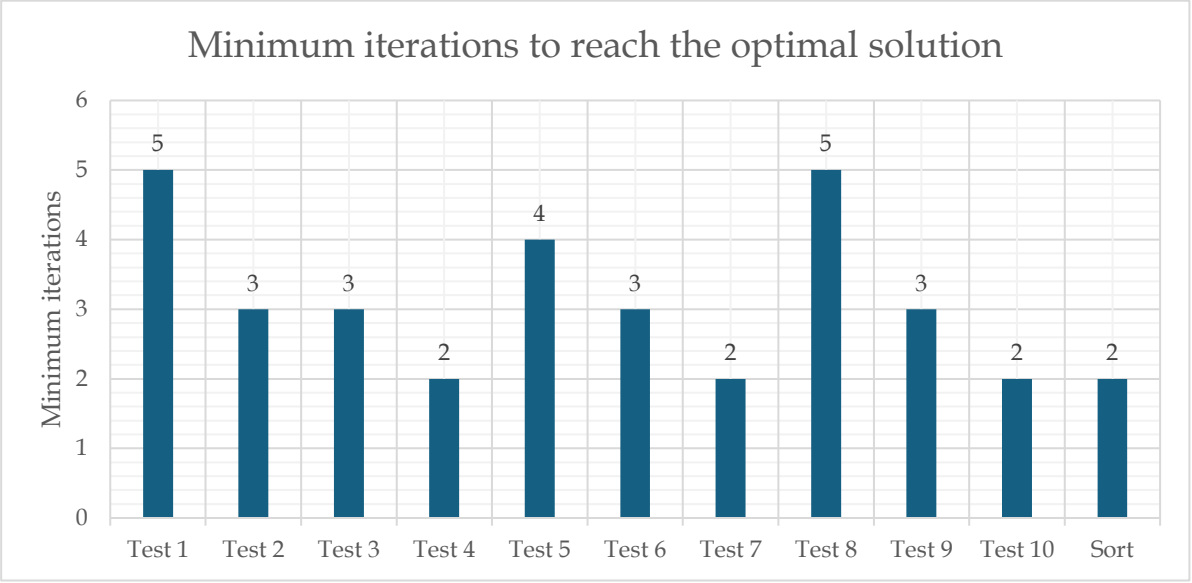
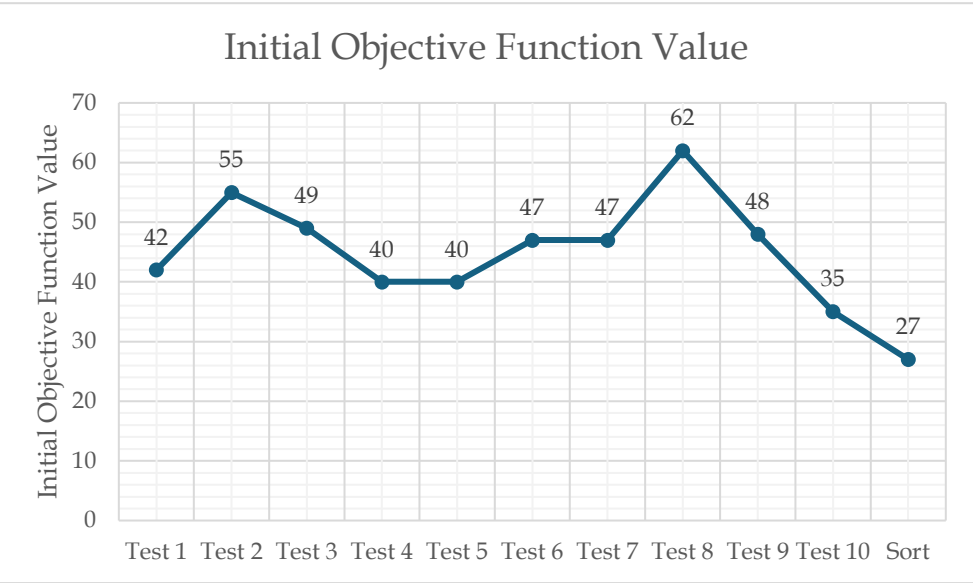
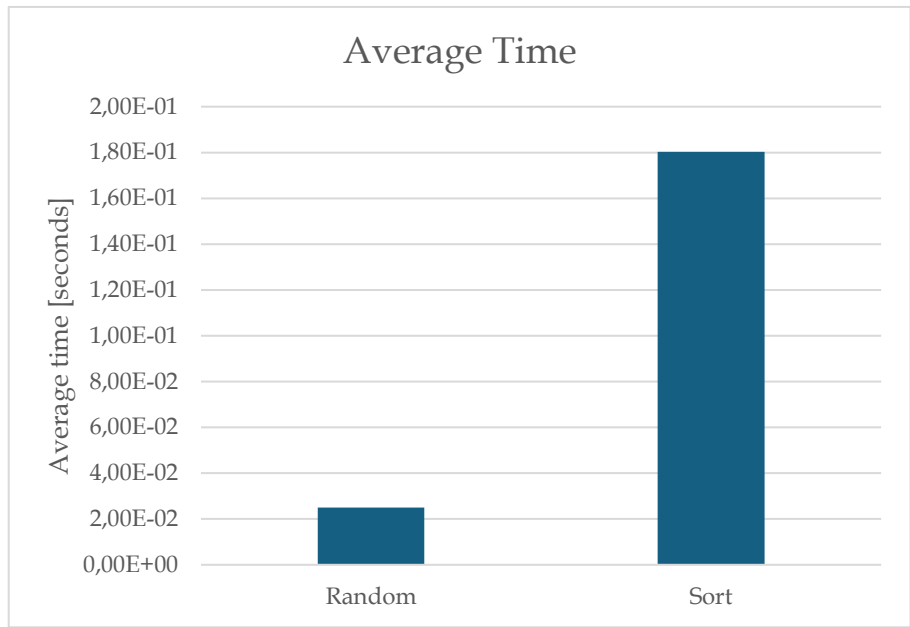
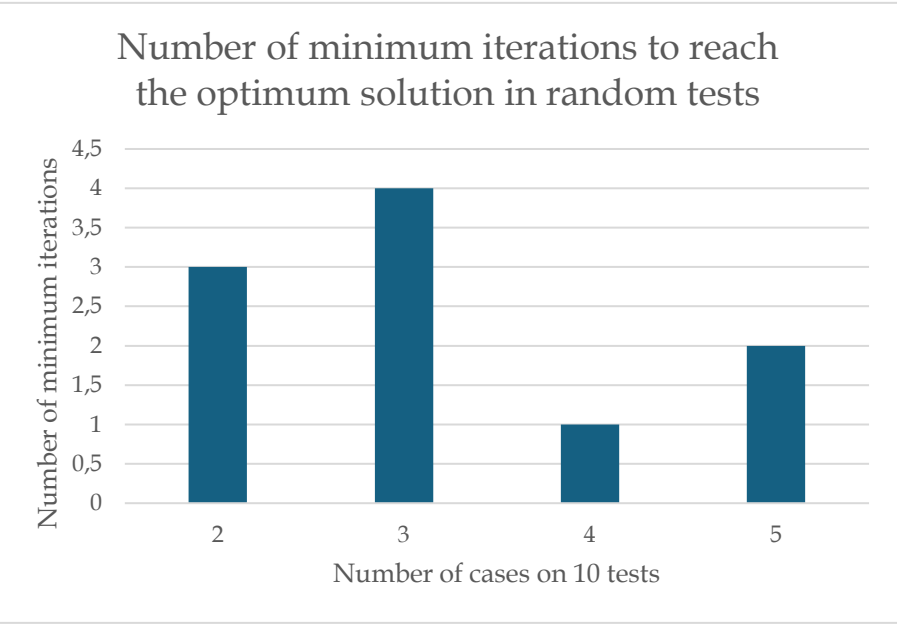


RANDOM											
Parameters	Test 1	Test 2	Test 3	Test 4	Test 5	Test 6	Test 7	Test 8	Test 9	Test 10	Sort
Initial Solution	3 4 6 1 5 2	3 6 2 5 1 4	4 5 3 2 1 6	1 4 5 3 2 6	6 4 3 1 5 2	2 1 5 3 4 6	1 2 5 3 6 4	3 5 6 1 2 4	5 4 1 6 3 2	2 3 1 4 6 5	4 6 2 1 3 5
Initial Objective Function Value	42	55	49	40	40	47	47	62	48	35	27
Minimum iterations	5	3	3	2	4	3	2	5	3	2	2
Total execution time	194260000 e-9	7960800 e-9	6954500 e-9	4957400 e-9	5760200 e-9	4806900 e-9	6443000 e-9	7923900 e-9	6060200 e-9	4943600 e-9	180245200 e-9
Total execution time (formatted)	1,94E-01	7,96E-03	6,95E-03	4,96E-03	5,76E-03	4,81E-03	6,44E-03	7,92E-03	6,06E-03	4,94E-03	1,80E-01



Number of minimum iterations to reach the optimum solution in random tests				
Number of minimum iterations	2	3	4	5
Number of cases on 10 tests	3	4	1	2

Choice	Random	Sort
Average Time	2,50E-02	1,80E-01



Test 1										
Parameters	Iteration1	Iteration2	Iteration3	Iteration4	Iteration5	Iteration6	Iteration7	Iteration8	Iteration9	Iteration10
Soluzione trovata	2 4 6 1 5 3	1 4 6 2 5 3	1 4 2 6 5 3	1 4 2 6 3 5	1 4 2 3 6 5	4 1 2 3 6 5	4 2 1 3 6 5	1 2 4 3 6 5	1 2 4 6 3 5	2 1 4 6 3 5
Funzione obiettivo	29	26	23	21	19	19	22	23	25	26
Mossa scelta	(1,6)	(1,4)	(3,4)	(5,6)	(4,5)	(1,2)	(2,3)	(1,3)	(4,5)	(1,2)
Nuova Tabu List	(1,6)	(1,4) (1,6)	(3,4) (1,4) (1,6)	(5,6) (3,4) (1,4)	(4,5) (5,6) (3,4)	(1,2) (4,5) (5,6)	(2,3) (1,2) (4,5)	(1,3) (2,3) (1,2)	(4,5) (1,3) (2,3)	(1,2) (4,5) (1,3)

Test 2										
Parameters	Iteration1	Iteration2	Iteration3	Iteration4	Iteration5	Iteration6	Iteration7	Iteration8	Iteration9	Iteration10
Soluzione trovata	4 6 2 5 1 3	4 1 2 5 6 3	4 1 2 3 6 5	1 4 2 3 6 5	1 4 2 6 3 5	1 4 2 6 5 3	2 4 1 6 5 3	4 2 1 6 5 3	4 1 2 6 5 3	4 1 2 6 3 5
Funzione obiettivo	34	23	19	19	21	23	26	26	23	21
Mossa scelta	(1,6)	(2,5)	(4,6)	(1,2)	(4,5)	(5,6)	(1,3)	(1,2)	(2,3)	(5,6)
Nuova Tabu List	(1,6)	(2,5) (1,6)	(4,6) (2,5) (1,6)	(1,2) (4,6) (2,5)	(4,5) (1,2) (4,6)	(5,6) (4,5) (1,2)	(1,3) (5,6) (4,5)	(1,2) (1,3) (5,6)	(2,3) (1,2) (1,3)	(5,6) (2,3) (1,2)

Test 3										
Parameters	Iteration1	Iteration2	Iteration3	Iteration4	Iteration5	Iteration6	Iteration7	Iteration8	Iteration9	Iteration10
Soluzione trovata	4 1 3 2 5 6	4 1 3 2 6 5	4 1 2 3 6 5	1 4 2 3 6 5	1 4 2 6 3 5	1 4 2 6 5 3	2 4 1 6 5 3	4 2 1 6 5 3	4 1 2 6 5 3	4 1 2 6 3 5
Funzione obiettivo	30	23	19	19	21	23	26	26	23	21
Mossa scelta	(2,5)	(5,6)	(3,4)	(1,2)	(4,5)	(5,6)	(1,3)	(1,2)	(2,3)	(5,6)
Nuova Tabu List	(2,5)	(5,6) (2,5)	(3,4) (5,6) (2,5)	(1,2) (3,4) (5,6)	(4,5) (1,2) (3,4)	(5,6) (4,5) (1,2)	(1,3) (5,6) (4,5)	(1,2) (1,3) (5,6)	(2,3) (1,2) (1,3)	(5,6) (2,3) (1,2)

Test 4										
Parameters	Iteration1	Iteration2	Iteration3	Iteration4	Iteration5	Iteration6	Iteration7	Iteration8	Iteration9	Iteration10
Soluzione trovata	1 4 2 3 5 6	1 4 2 3 6 5	4 1 2 3 6 5	4 1 2 6 3 5	4 2 1 6 3 5	1 2 4 6 3 5	2 1 4 6 3 5	2 1 4 3 6 5	2 4 1 3 6 5	1 4 2 3 6 5
Funzione obiettivo	26	19	19	21	24	25	26	24	22	19
Mossa scelta	(3,5)	(5,6)	(1,2)	(4,5)	(2,3)	(1,3)	(1,2)	(4,5)	(2,3)	(1,3)
Nuova Tabu List	(3,5)	(5,6) (3,5)	(1,2) (5,6) (3,5)	(4,5) (1,2) (5,6)	(2,3) (4,5) (1,2)	(1,3) (2,3) (4,5)	(1,2) (1,3) (2,3)	(4,5) (1,2) (1,3)	(2,3) (4,5) (1,2)	(1,3) (2,3) (4,5)

Test 5										
Parameters	Iteration1	Iteration2	Iteration3	Iteration4	Iteration5	Iteration6	Iteration7	Iteration8	Iteration9	Iteration10
Soluzione trovata	6 4 2 1 5 3	1 4 2 6 5 3	1 4 2 6 3 5	1 4 2 3 6 5	4 1 2 3 6 5	4 2 1 3 6 5	1 2 4 3 6 5	1 2 4 6 3 5	2 1 4 6 3 5	2 4 1 6 3 5
Funzione obiettivo	29	23	21	19	19	22	23	25	26	24
Mossa scelta	(3,6)	(1,4)	(5,6)	(4,5)	(1,2)	(2,3)	(1,3)	(4,5)	(1,2)	(2,3)
Nuova Tabu List	(3,6)	(1,4) (3,6)	(5,6) (1,4) (3,6)	(4,5) (5,6) (1,4)	(1,2) (4,5) (5,6)	(2,3) (1,2) (4,5)	(1,3) (2,3) (1,2)	(4,5) (1,3) (2,3)	(1,2) (4,5) (1,3)	(2,3) (1,2) (4,5)

Test 6										
Parameters	Iteration1	Iteration2	Iteration3	Iteration4	Iteration5	Iteration6	Iteration7	Iteration8	Iteration9	Iteration10
Soluzione trovata	2 1 4 3 5 6	2 1 4 3 6 5	4 1 2 3 6 5	1 4 2 3 6 5	1 4 2 6 3 5	1 4 2 6 5 3	2 4 1 6 5 3	4 2 1 6 5 3	4 1 2 6 5 3	4 1 2 6 3 5
Funzione obiettivo	31	24	19	19	21	23	26	26	23	21
Mossa scelta	(3,5)	(5,6)	(1,3)	(1,2)	(4,5)	(5,6)	(1,3)	(1,2)	(2,3)	(5,6)
Nuova Tabu List	(3,5)	(5,6) (3,5)	(1,3) (5,6) (3,5)	(1,2) (1,3) (5,6)	(4,5) (1,2) (1,3)	(5,6) (4,5) (1,2)	(1,3) (5,6) (4,5)	(1,2) (1,3) (5,6)	(2,3) (1,2) (1,3)	(5,6) (2,3) (1,2)

Test 7										
Parameters	Iteration1	Iteration2	Iteration3	Iteration4	Iteration5	Iteration6	Iteration7	Iteration8	Iteration9	Iteration10
Soluzione trovata	1 2 4 3 6 5	1 4 2 3 6 5	4 1 2 3 6 5	4 1 2 6 3 5	4 1 2 6 5 3	4 2 1 6 5 3	2 4 1 6 5 3	1 4 2 6 5 3	1 4 2 6 3 5	1 4 2 3 6 5
Funzione obiettivo	23	19	19	21	23	26	26	23	21	19
Mossa scelta	(3,6)	(2,3)	(1,2)	(4,5)	(5,6)	(2,3)	(1,2)	(1,3)	(5,6)	(4,5)
Nuova Tabu List	(3,6)	(2,3) (3,6)	(1,2) (2,3) (3,6)	(4,5) (1,2) (2,3)	(5,6) (4,5) (1,2)	(2,3) (5,6) (4,5)	(1,2) (2,3) (5,6)	(1,3) (1,2) (2,3)	(5,6) (1,3) (1,2)	(4,5) (5,6) (1,3)

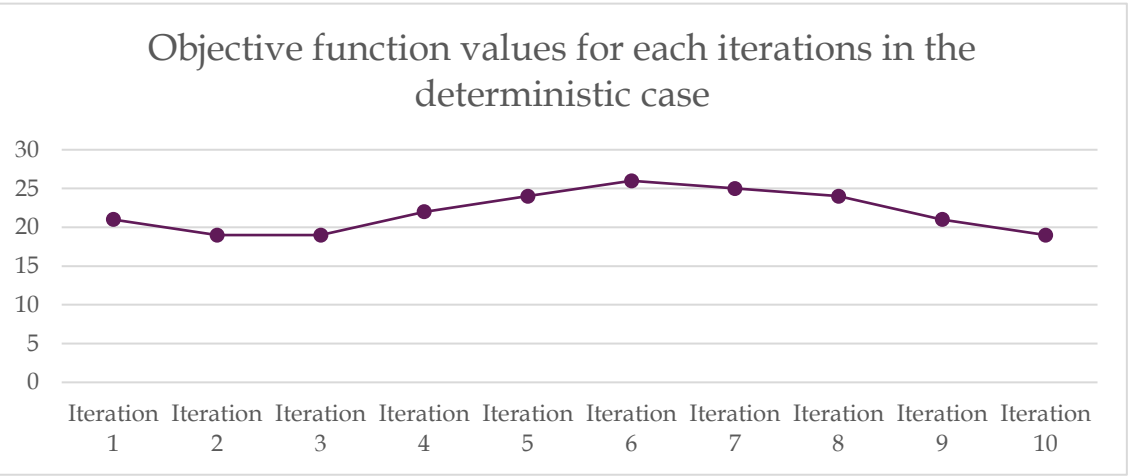
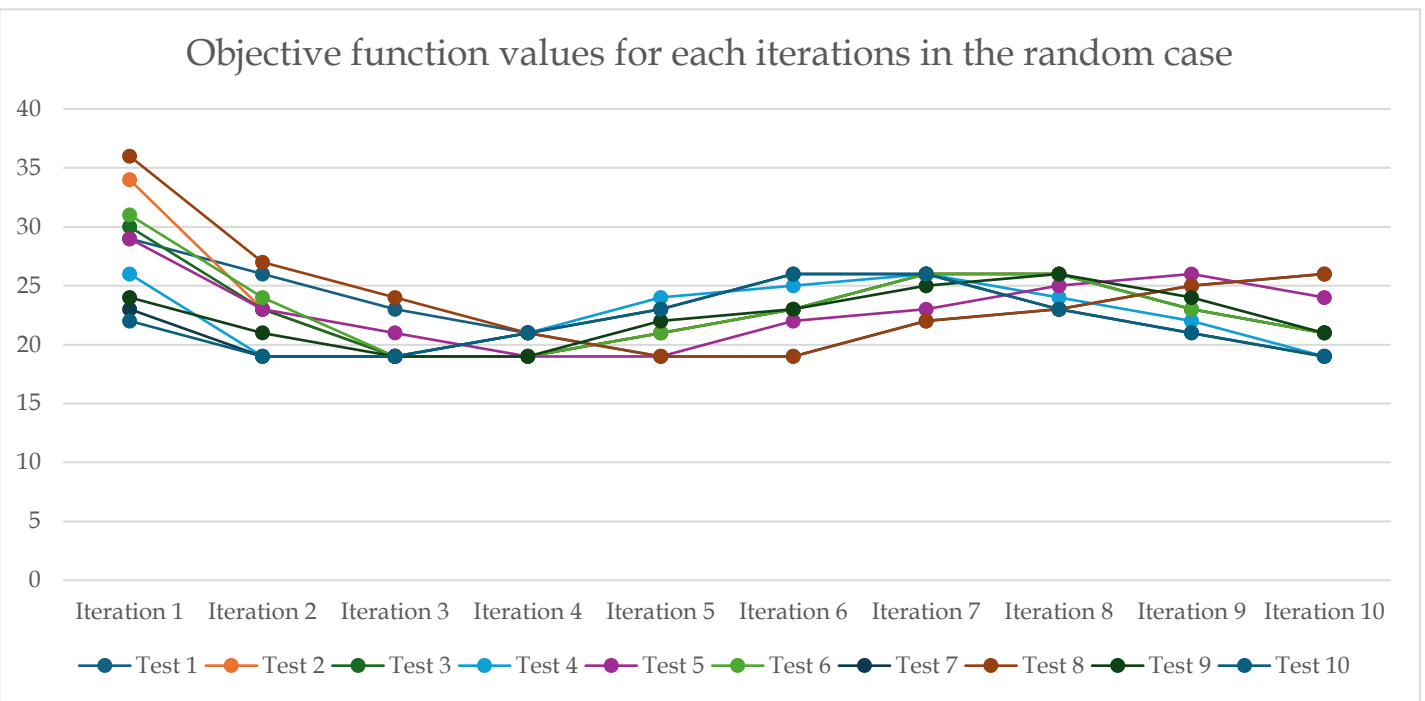
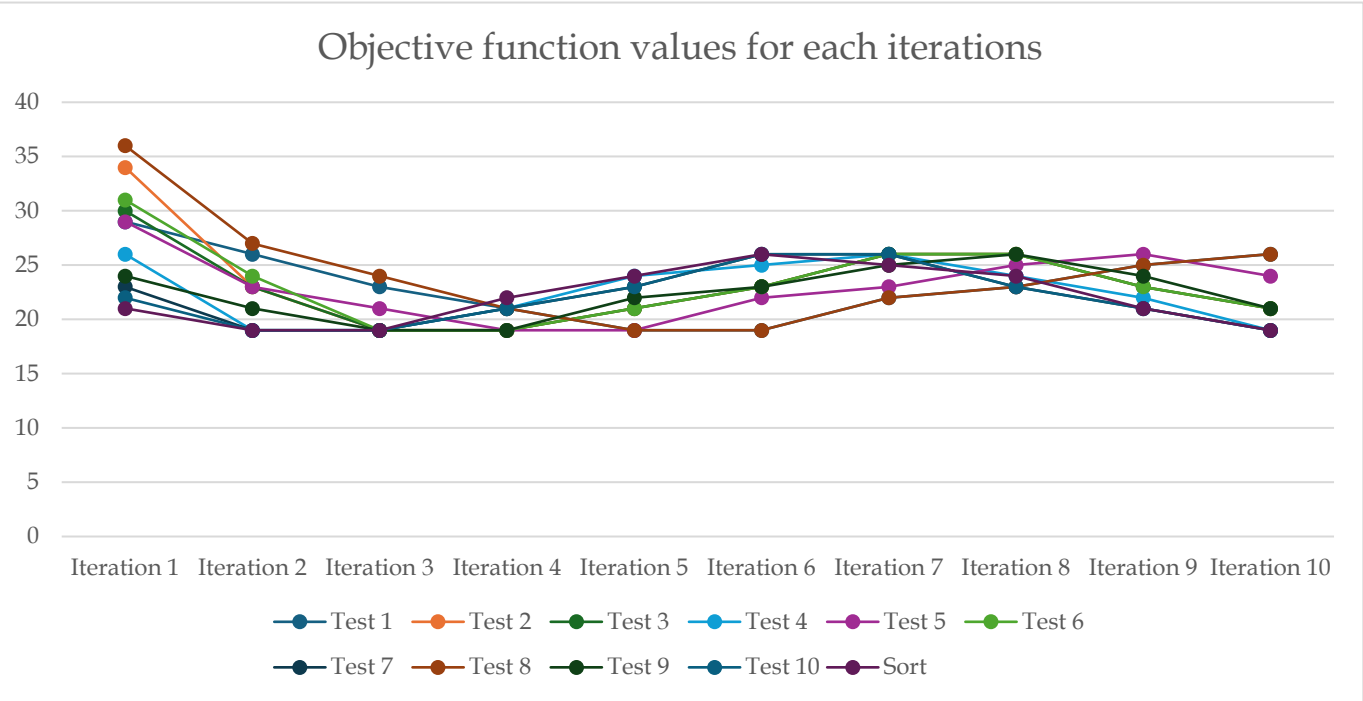
Test 8										
Parameters	Iteration1	Iteration2	Iteration3	Iteration4	Iteration5	Iteration6	Iteration7	Iteration8	Iteration9	Iteration10
Soluzione trovata	3 4 6 1 2 5	2 4 6 1 3 5	1 4 6 2 3 5	1 4 2 6 3 5	1 4 2 3 6 5	4 1 2 3 6 5	4 2 1 3 6 5	1 2 4 3 6 5	1 2 4 6 3 5	2 1 4 6 3 5
Funzione obiettivo	36	27	24	21	19	19	22	23	25	26
Mossa scelta	(2,6)	(1,5)	(1,4)	(3,4)	(4,5)	(1,2)	(2,3)	(1,3)	(4,5)	(1,2)
Nuova Tabu List	(2,6)	(1,5) (2,6)	(1,4) (1,5) (2,6)	(3,4) (1,4) (1,5)	(4,5) (3,4) (1,4)	(1,2) (4,5) (3,4)	(2,3) (1,2) (4,5)	(1,3) (2,3) (1,2)	(4,5) (1,3) (2,3)	(1,2) (4,5) (1,3)

Test 9										
Parameters	Iteration1	Iteration2	Iteration3	Iteration4	Iteration5	Iteration6	Iteration7	Iteration8	Iteration9	Iteration10
Soluzione trovata	2 4 1 6 3 5	1 4 2 6 3 5	1 4 2 3 6 5	4 1 2 3 6 5	4 2 1 3 6 5	1 2 4 3 6 5	1 2 4 6 3 5	2 1 4 6 3 5	2 4 1 6 3 5	1 4 2 6 3 5
Funzione obiettivo	24	21	19	19	22	23	25	26	24	21
Mossa scelta	(1,6)	(1,3)	(4,5)	(1,2)	(2,3)	(1,3)	(4,5)	(1,2)	(2,3)	(1,3)
Nuova Tabu List	(1,6)	(1,3) (1,6)	(4,5) (1,3) (1,6)	(1,2) (4,5) (1,3)	(2,3) (1,2) (4,5)	(1,3) (2,3) (1,2)	(4,5) (1,3) (2,3)	(1,2) (4,5) (1,3)	(2,3) (1,2) (4,5)	(1,3) (2,3) (1,2)

Test 10										
Parameters	Iteration1	Iteration2	Iteration3	Iteration4	Iteration5	Iteration6	Iteration7	Iteration8	Iteration9	Iteration10
Soluzione trovata	2 4 1 3 6 5	1 4 2 3 6 5	4 1 2 3 6 5	4 1 2 6 3 5	4 1 2 6 5 3	4 2 1 6 5 3	2 4 1 6 5 3	1 4 2 6 5 3	1 4 2 6 3 5	1 4 2 3 6 5
Funzione obiettivo	22	19	19	21	23	26	26	23	21	19
Mossa scelta	(2,4)	(1,3)	(1,2)	(4,5)	(5,6)	(2,3)	(1,2)	(1,3)	(5,6)	(4,5)
Nuova Tabu List	(2,4)	(1,3) (2,4)	(1,2) (1,3) (2,4)	(4,5) (1,2) (1,3)	(5,6) (4,5) (1,2)	(2,3) (5,6) (4,5)	(1,2) (2,3) (5,6)	(1,3) (1,2) (2,3)	(5,6) (1,3) (1,2)	(4,5) (5,6) (1,3)

Sort										
Parameters	Iteration1	Iteration2	Iteration3	Iteration4	Iteration5	Iteration6	Iteration7	Iteration8	Iteration9	Iteration10
Soluzione trovata	4 1 2 6 3 5	4 1 2 3 6 5	1 4 2 3 6 5	2 4 1 3 6 5	2 1 4 3 6 5	2 1 4 6 3 5	1 2 4 6 3 5	4 2 1 6 3 5	4 1 2 6 3 5	4 1 2 3 6 5
Funzione obiettivo	21	19	19	22	24	26	25	24	21	19
Mossa scelta	(2,4)	(4,5)	(1,2)	(1,3)	(2,3)	(4,5)	(1,2)	(1,3)	(2,3)	(4,5)
Nuova Tabu List	(2,4)	(4,5) (2,4)	(1,2) (4,5) (2,4)	(1,3) (1,2) (4,5)	(2,3) (1,3) (1,2)	(4,5) (2,3) (1,3)	(1,2) (4,5) (2,3)	(1,3) (1,2) (4,5)	(2,3) (1,3) (1,2)	(4,5) (5,6) (1,3)

Objective function values for each iterations											
Iterations	Test 1	Test 2	Test 3	Test 4	Test 5	Test 6	Test 7	Test 8	Test 9	Test 10	Sort
Iteration 1	29	34	30	26	29	31	23	36	24	22	21
Iteration 2	26	23	23	19	23	24	19	27	21	19	19
Iteration 3	23	19	19	19	21	19	19	24	19	19	19
Iteration 4	21	19	19	21	19	19	21	21	19	21	22
Iteration 5	19	21	21	24	19	21	23	19	22	23	24
Iteration 6	19	23	23	25	22	23	26	19	23	26	26
Iteration 7	22	26	26	26	23	26	26	22	25	26	25
Iteration 8	23	26	26	24	25	26	23	23	26	23	24
Iteration 9	25	23	23	22	26	23	21	25	24	21	21
Iteration 10	26	21	21	19	24	21	19	26	21	19	19



Time passed at each iteration to reach the optimal solution										
Tests	Iteration 1	Iteration 2	Iteration 3	Iteration 4	Iteration 5	Iteration 6	Iteration 7	Iteration 8	Iteration 9	Iteration 10
Test 1	N/A	N/A	N/A	N/A	185630000 e-9	187720800 e-9	N/A	N/A	N/A	N/A
Test 2	N/A	N/A	2201800 e-9	3318500 e-9	N/A	N/A	N/A	N/A	N/A	N/A
Test 3	N/A	N/A	1850600 e-9	2572000 e-9	N/A	N/A	N/A	N/A	N/A	N/A
Test 4	N/A	1171900 e-9	1615100 e-9	N/A	N/A	N/A	N/A	N/A	N/A	4768900 e-9
Test 5	N/A	N/A	N/A	1860900 e-9	2272500 e-9	N/A	N/A	N/A	N/A	N/A
Test 6	N/A	N/A	1694200 e-9	2105600 e-9	N/A	N/A	N/A	N/A	N/A	N/A
Test 7	N/A	863800 e-9	1422200 e-9	N/A	N/A	N/A	N/A	N/A	N/A	6196200 e-9
Test 8	N/A	N/A	N/A	N/A	3792200 e-9	4764400 e-9	N/A	N/A	N/A	N/A
Test 9	N/A	N/A	1615100 e-9	2040300 e-9	N/A	N/A	N/A	N/A	N/A	N/A
Test 10	N/A	706800 e-9	1289000 e-9	N/A	N/A	N/A	N/A	N/A	N/A	4717500 e-9
Sort	N/A	166863700 e-9	168739100 e-9	N/A	N/A	N/A	N/A	N/A	N/A	179219600 e-9

Time passed at each iteration to reach the optimal solution (formatted)										
Tests	Iteration 1	Iteration 2	Iteration 3	Iteration 4	Iteration 5	Iteration 6	Iteration 7	Iteration 8	Iteration 9	Iteration 10
Test 1	N/A	N/A	N/A	N/A	1,86E-01	1,88E-01	N/A	N/A	N/A	N/A
Test 2	N/A	N/A	2,2018E-03	3,32E-03	N/A	N/A	N/A	N/A	N/A	N/A

Test 3	N/A	N/A	1,85E-03	2,57E-03	N/A	N/A	N/A	N/A	N/A	N/A
Test 4	N/A	1,17E-03	1,62E-03	N/A	N/A	N/A	N/A	N/A	N/A	4,77E-03
Test 5	N/A	N/A	N/A	1,86E-03	2,27E-03	N/A	N/A	N/A	N/A	N/A
Test 6	N/A	N/A	1,69E-03	2,11E-03	N/A	N/A	N/A	N/A	N/A	N/A
Test 7	N/A	8,64E-04	1,42E-03	N/A	N/A	N/A	N/A	N/A	N/A	6,20E-03
Test 8	N/A	N/A	N/A	N/A	3,79E-03	4,76E-03	N/A	N/A	N/A	N/A
Test 9	N/A	N/A	1,62E-03	2,04E-03	N/A	N/A	N/A	N/A	N/A	N/A
Test 10	N/A	7,07E-04	1,29E-03	N/A	N/A	N/A	N/A	N/A	N/A	4,72E-03
Sort	N/A	1,67E-01	1,69E-01	N/A	N/A	N/A	N/A	N/A	N/A	1,79E-01