

# Sistemas Operativos 2020/2021

Licenciatura em Eng<sup>a</sup>. Informática

Relatório Técnico TP#1

Turma: SW06

Horário de Laboratório: 4<sup>a</sup> feira 13h30

Docente: Aníbal Ponte

Grupo:

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Nº180221015, Francisco Moura

----- STATISTICS -----

Total Tests: 10

Test Name: att48.txt

Total Execution Time: 1200 seconds

Number of processes: 10

Best Distance: 92962

Best Path: 25 46 39 48 29 24 14 32 28 19 12 11 13 9 41 33 22 40 16 1 36 18 45 35 6 17 43 31 44 15 23 8 27 30 7 20  
21 47 38 37 3 34 10 42 5 2 26 4

Best Iteration: 839858

Best Time: 7 seconds

Average Best Time: 56 seconds

Average Best Iteration: 6328222

Total Best Times: 1

----- STATISTICS -----

Total Tests: 10

Test Name: burma14.txt

Total Execution Time: 600 seconds

Number of processes: 10

Best Distance: 3394

Best Path: 5 12 6 7 11 8 1 13 9 10 2 14 3 4

Best Iteration: 460889

Best Time: 3 seconds

Average Best Time: 24 seconds

Average Best Iteration: 3241930

Total Best Times: 2

----- STATISTICS -----

Total Tests: 10

Test Name: dantzig42.txt

Total Execution Time: 1200 seconds

Number of processes: 10

Best Distance: 1830

Best Path: 31 25 15 16 21 12 17 20 28 35 37 34 2 3 41 40 9 8 22 19 14 13 23 18 33 26 38 42 1 27 6 7 30 29 24 11 10  
39 5 4 36 32

Best Iteration: 2795514

Best Time: 25 seconds

Average Best Time: 45 seconds

Average Best Iteration: 4622045

Total Best Times: 1

----- STATISTICS -----

Total Tests: 10

Test Name: ex4.txt

Total Execution Time: 50 seconds

Number of processes: 10

Best Distance: 28

Best Path: 3 1 4 2

Best Iteration: 2

Best Time: 0 seconds

Average Best Time: 0 seconds

Average Best Iteration: 3

Total Best Times: 10

----- STATISTICS -----

Total Tests: 10

Test Name: ex5.txt

Total Execution Time: 50 seconds

Number of processes: 10

Best Distance: 21

Best Path: 3 4 2 1 5

Best Iteration: 7

Best Time: 0 seconds

Average Best Time: 0 seconds

Average Best Iteration: 20

Total Best Times: 10

----- STATISTICS -----

Total Tests: 10

Test Name: ex6.txt

Total Execution Time: 50 seconds

Number of processes: 10

Best Distance: 23

Best Path: 1 6 3 4 2 5

Best Iteration: 5

Best Time: 0 seconds

Average Best Time: 0 seconds

Average Best Iteration: 67

Total Best Times: 10

----- STATISTICS -----

Total Tests: 10

Test Name: ex13.txt

Total Execution Time: 150 seconds

Number of processes: 10

Best Distance: 3181

Best Path: 5 13 3 2 1 10 9 11 8 4 7 6 12

Best Iteration: 334456

Best Time: 2 seconds

Average Best Time: 6 seconds

Average Best Iteration: 889030

Total Best Times: 3

----- STATISTICS -----

Total Tests: 10

Test Name: fri26.txt

Total Execution Time: 600 seconds

Number of processes: 10

Best Distance: 1498

Best Path: 9 10 14 3 4 7 12 18 15 13 8 20 19 11 17 16 22 21 26 25 24 23 2 1 5 6

Best Iteration: 5669815

Best Time: 51 seconds

Average Best Time: 33 seconds

Average Best Iteration: 3698172

Total Best Times: 1

----- STATISTICS -----

Total Tests: 10

Test Name: gr17.txt

Total Execution Time: 300 seconds

Number of processes: 10

Best Distance: 2230

Best Path: 1 16 4 9 12 13 6 7 8 14 15 10 2 5 11 3 17

Best Iteration: 2488186

Best Time: 23 seconds

Average Best Time: 18 seconds

Average Best Iteration: 2228777

Total Best Times: 1

----- STATISTICS -----

Total Tests: 10

Test Name: lau15.txt

Total Execution Time: 300 seconds

Number of processes: 10

Best Distance: 303

Best Path: 4 6 8 10 14 12 3 7 9 13 15 2 5 1 11

Best Iteration: 2684327

Best Time: 24 seconds

Average Best Time: 8 seconds

Average Best Iteration: 1039658

Total Best Times: 1

----- STATISTICS -----

Total Tests: 10

Test Name: p01.txt

Total Execution Time: 300 seconds

Number of processes: 10

Best Distance: 329

Best Path: 11 4 6 8 14 7 3 10 12 5 9 15 13 2 1

Best Iteration: 790173

Best Time: 7 seconds

Average Best Time: 14 seconds

Average Best Iteration: 1709337

Total Best Times: 1

----- STATISTICS -----

Total Tests: 10

Test Name: sp11.txt

Total Execution Time: 150 seconds

Number of processes: 10

Best Distance: 133

Best Path: 5 11 4 7 8 6 3 10 2 9 1

Best Iteration: 629113

Best Time: 5 seconds

Average Best Time: 1 seconds

Average Best Iteration: 206348

Total Best Times: 10

----- STATISTICS -----

Total Tests: 10

Test Name: uk12.txt

Total Execution Time: 150 seconds

Number of processes: 10

Best Distance: 1733

Best Path: 8 6 2 10 3 5 11 7 9 1 4 12

Best Iteration: 1043980

Best Time: 9 seconds

Average Best Time: 6 seconds

Average Best Iteration: 884900

Total Best Times: 6