

Comparison

November 23, 2023

Considerando os resultados obtidos através dos algoritmos de Hill Climb e Simulated Annealing, torna-se possível uma comparação entre a saída fornecida por cada algoritmo para cada problema:

Knapsack P01

Hill Climb's fitness: 309.0

Simulated Annealing's fitness: 187.0

Knapsack P02

Hill Climb's fitness: 51.0

Simulated Annealing's fitness: 40.0

Knapsack P03

Hill Climb's fitness: 150.0

Simulated Annealing's fitness: 101.0

Knapsack P04

Hill Climb's fitness: 107.0

Simulated Annealing's fitness: 81.0

Knapsack P05

Hill Climb's fitness: 900.0

Simulated Annealing's fitness: 838.0

Knapsack P06

Hill Climb's fitness: 1735.0

Simulated Annealing's fitness: 1688.0

Knapsack P07

Hill Climb's fitness: 1454.0

Simulated Annealing's fitness: 1448.0

Conclui-se através dos valores mostrados acima que o algoritmo Hill Climb apresentou um fitness melhor que o algoritmo Simulated Annealing.