

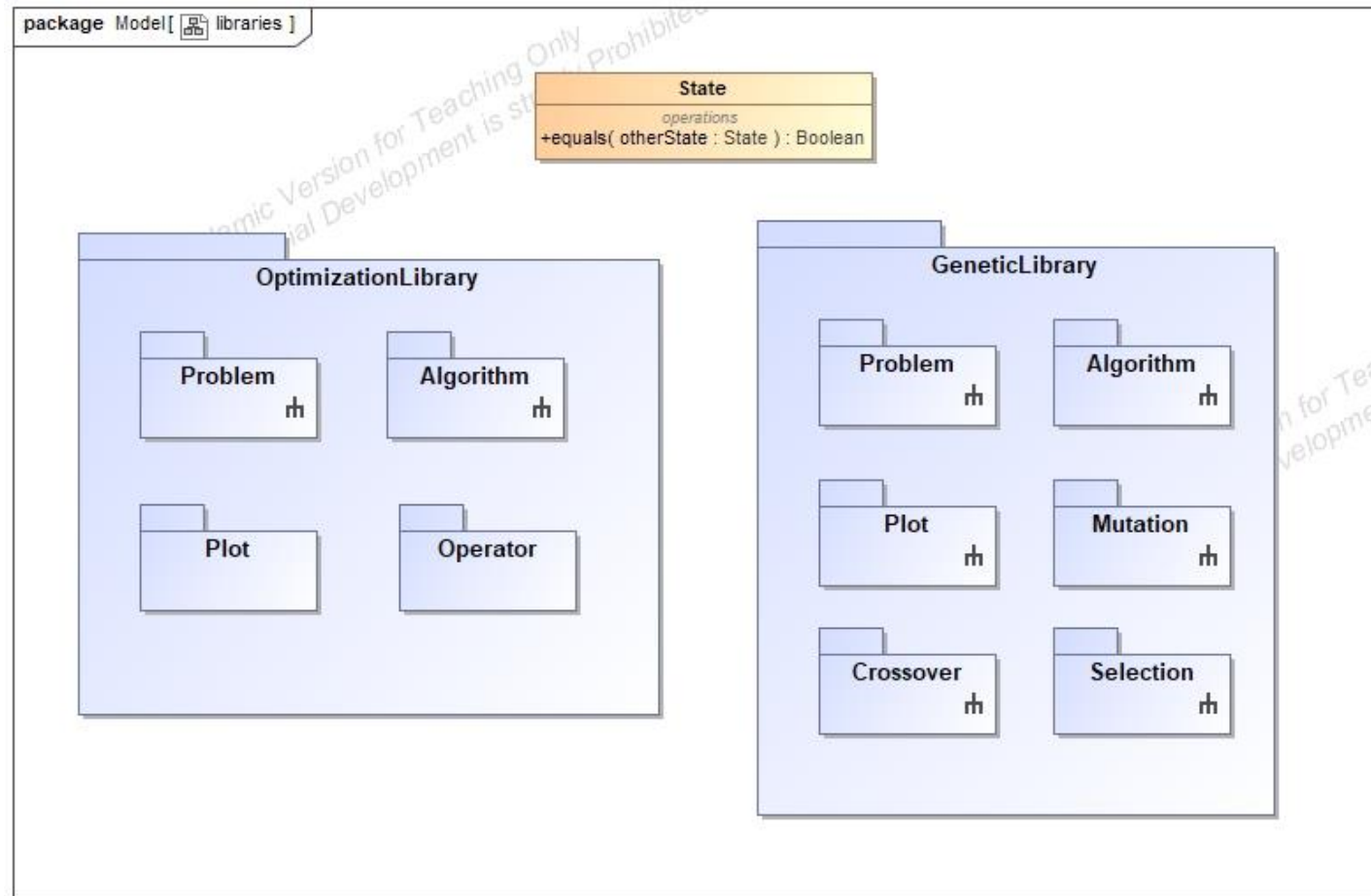
Inteligência Artificial e Sistemas Cognitivos
Instituto Superior de Engenharia de Lisboa

Arquitetura - Objetivo 2

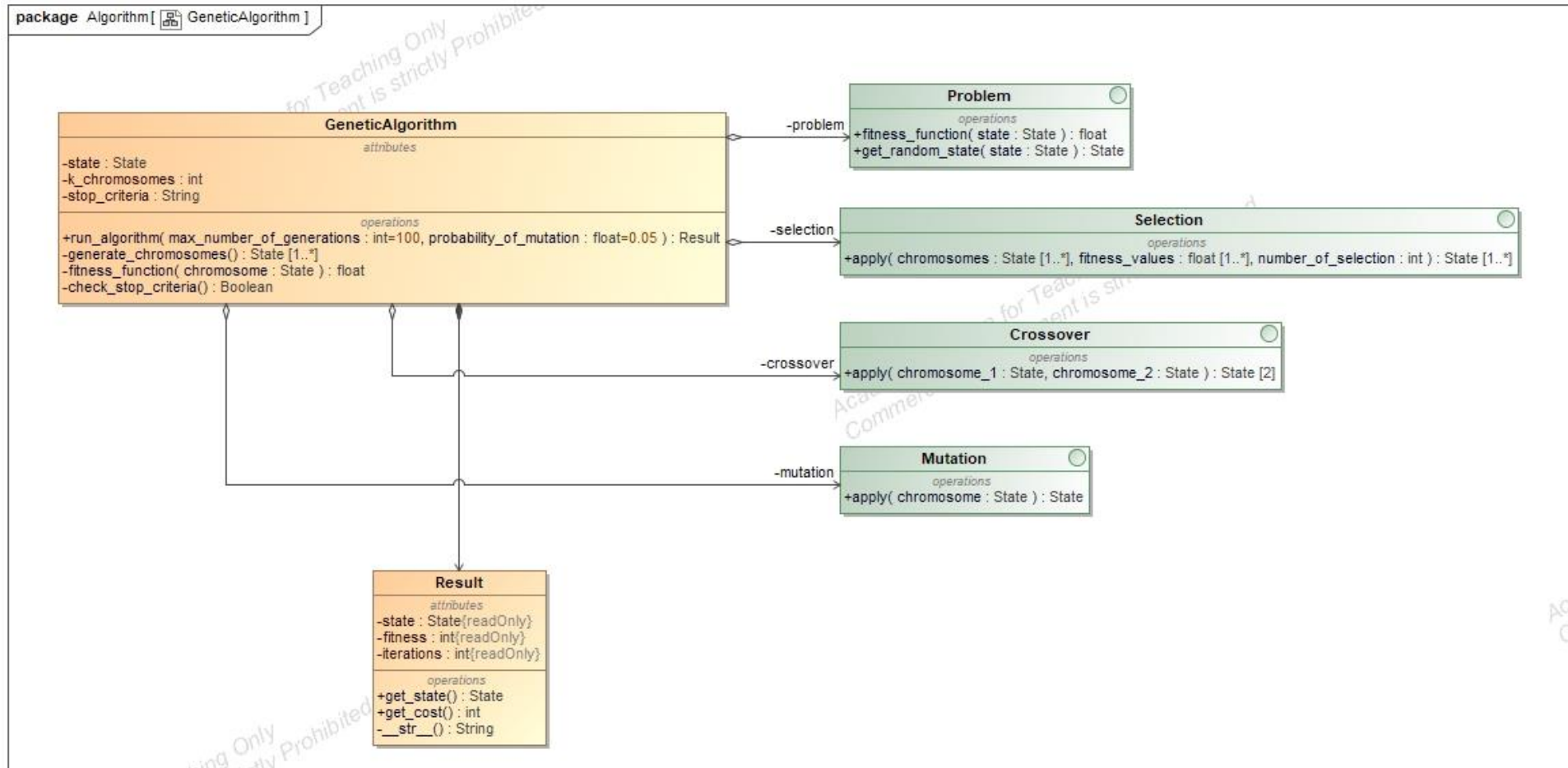
Docente: Eng.º Luís Morgado

Arman Freitas

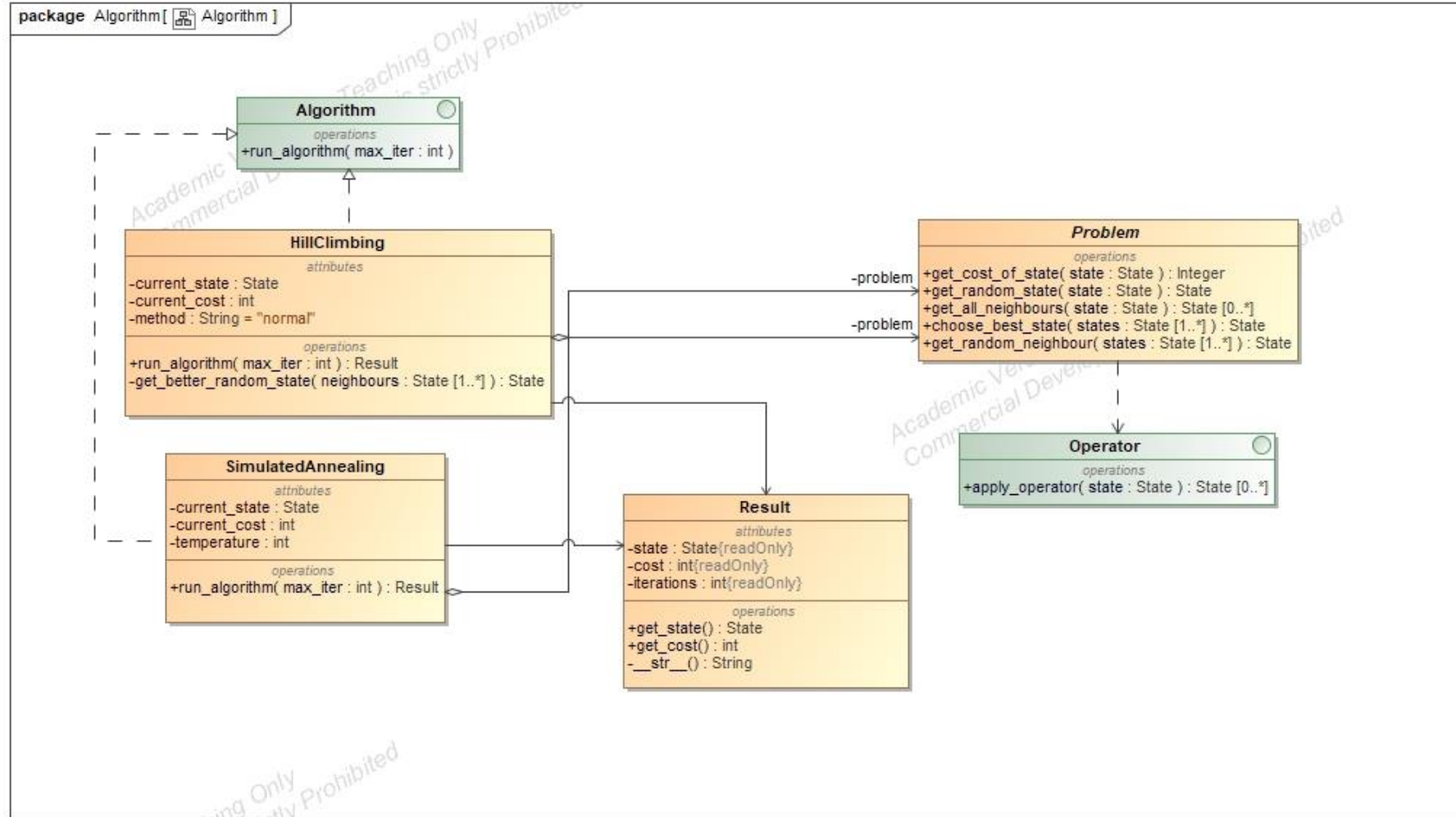
Arquitetura Geral



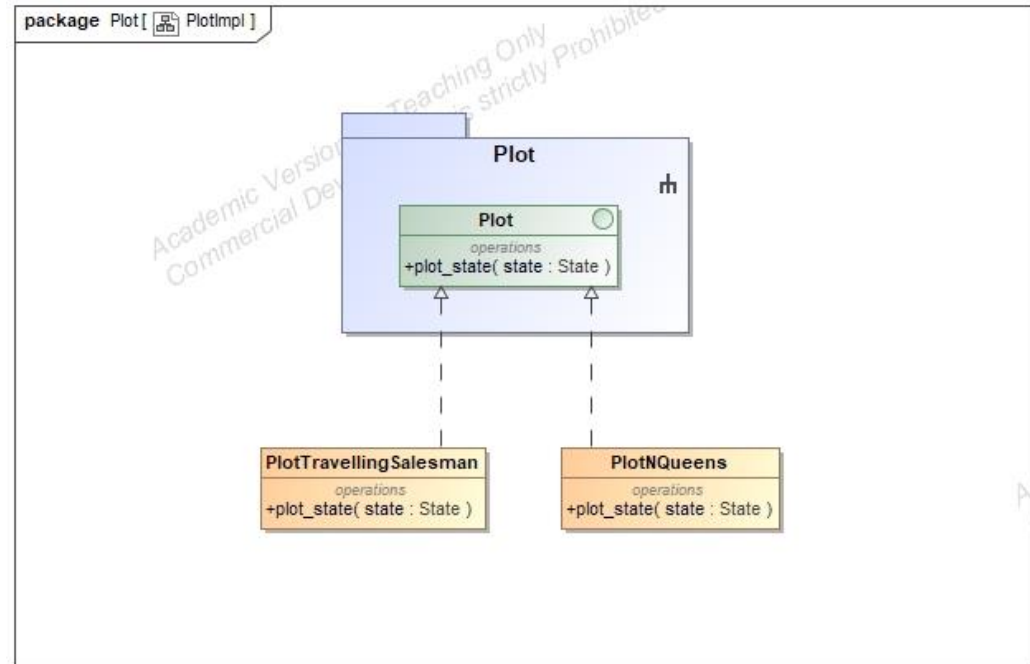
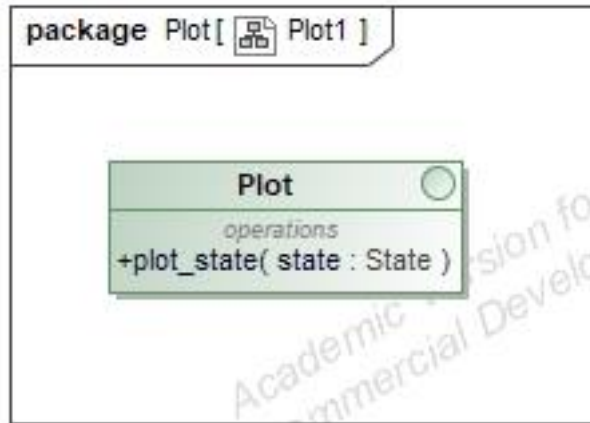
Biblioteca de Algoritmos Genéticos



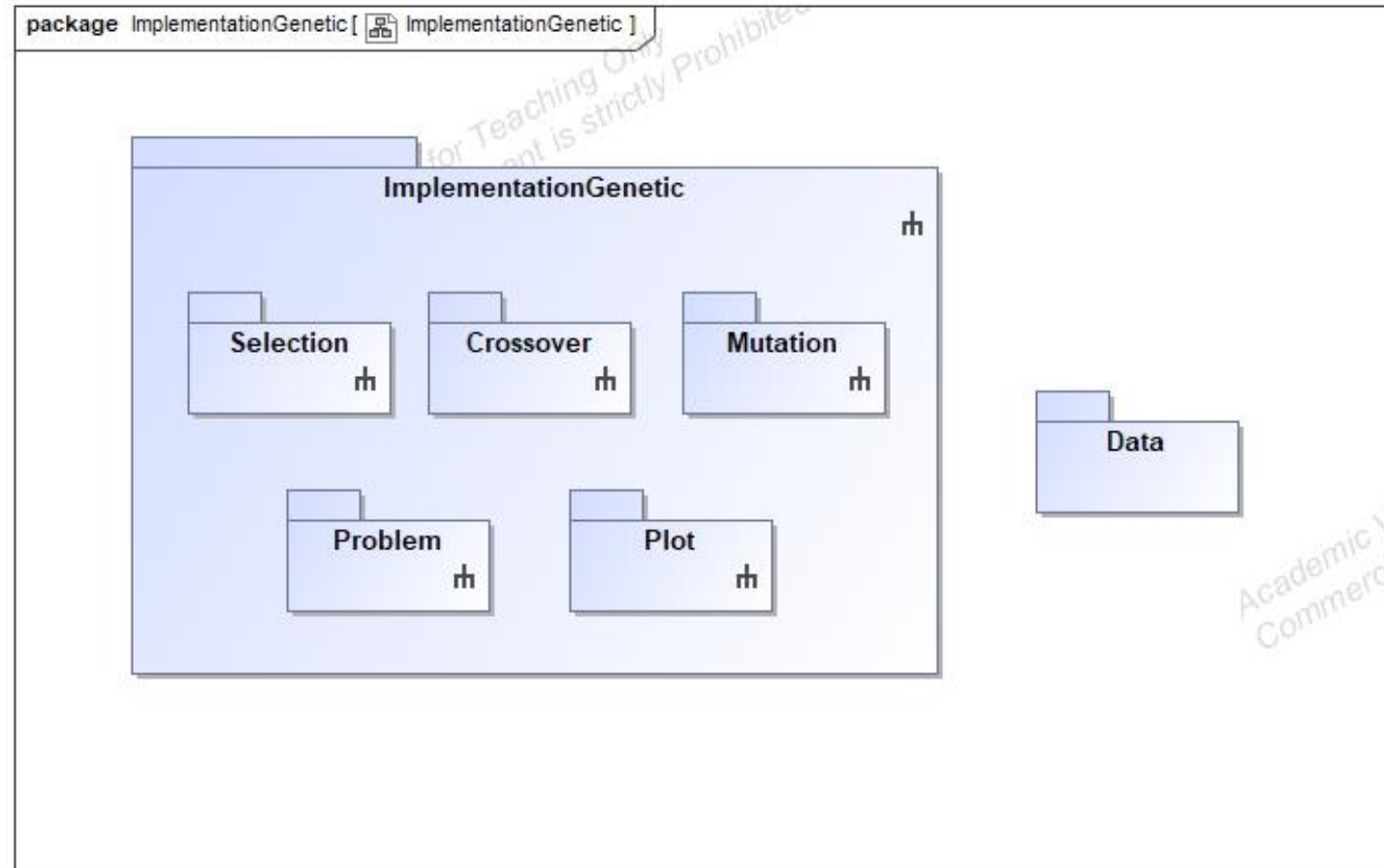
Biblioteca de Otimização



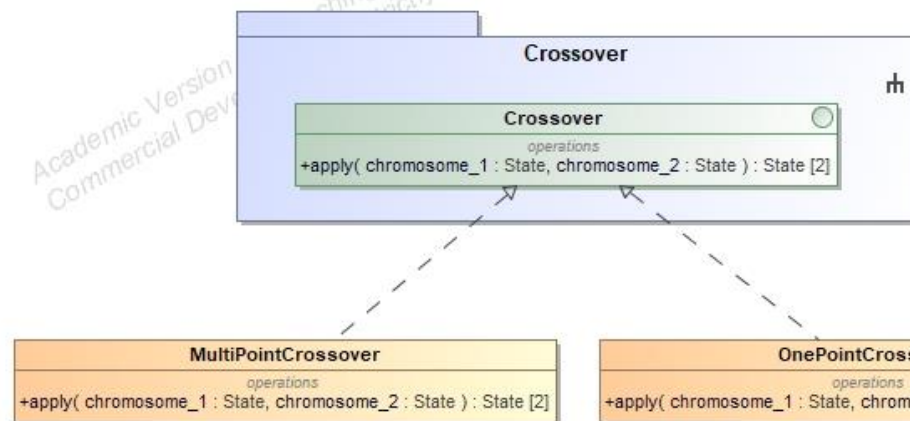
Implementação do Plot em ambas as bibliotecas



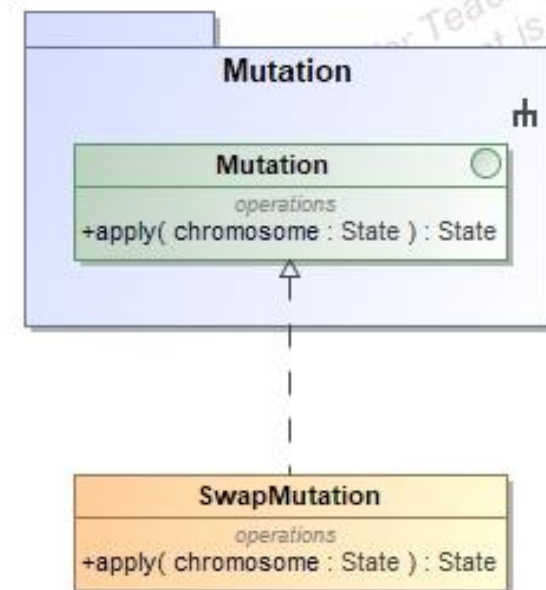
Implementação - Algoritmos Genéticos



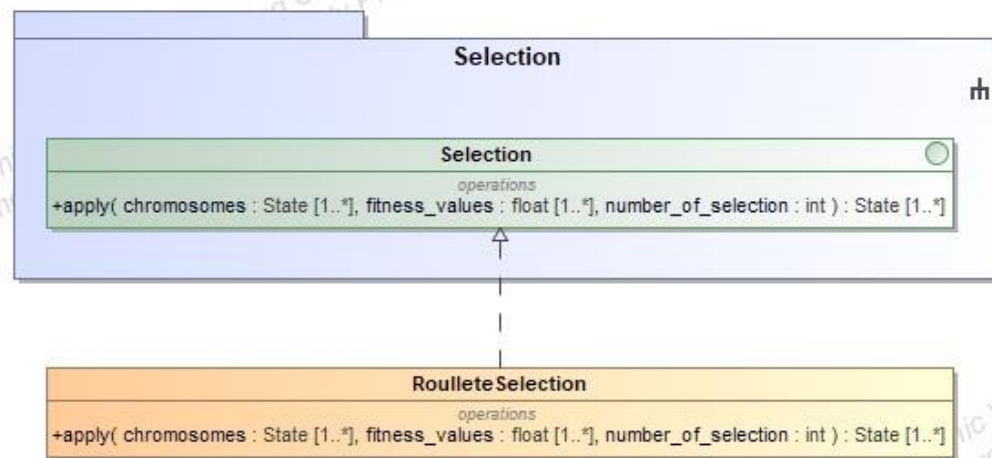
package Crossover [CrossoverImpl]



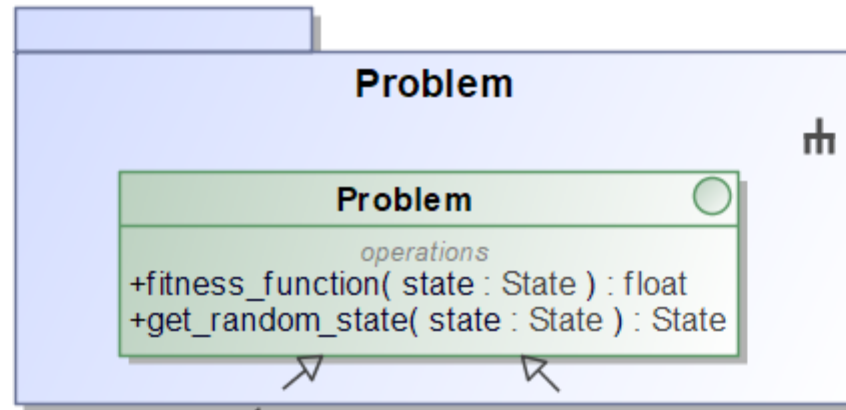
package Mutation [MutationImpl]



package Selection [SelectionImpl]



package Problem[ProblemImpl]



Problem TravellingSalesman

operations

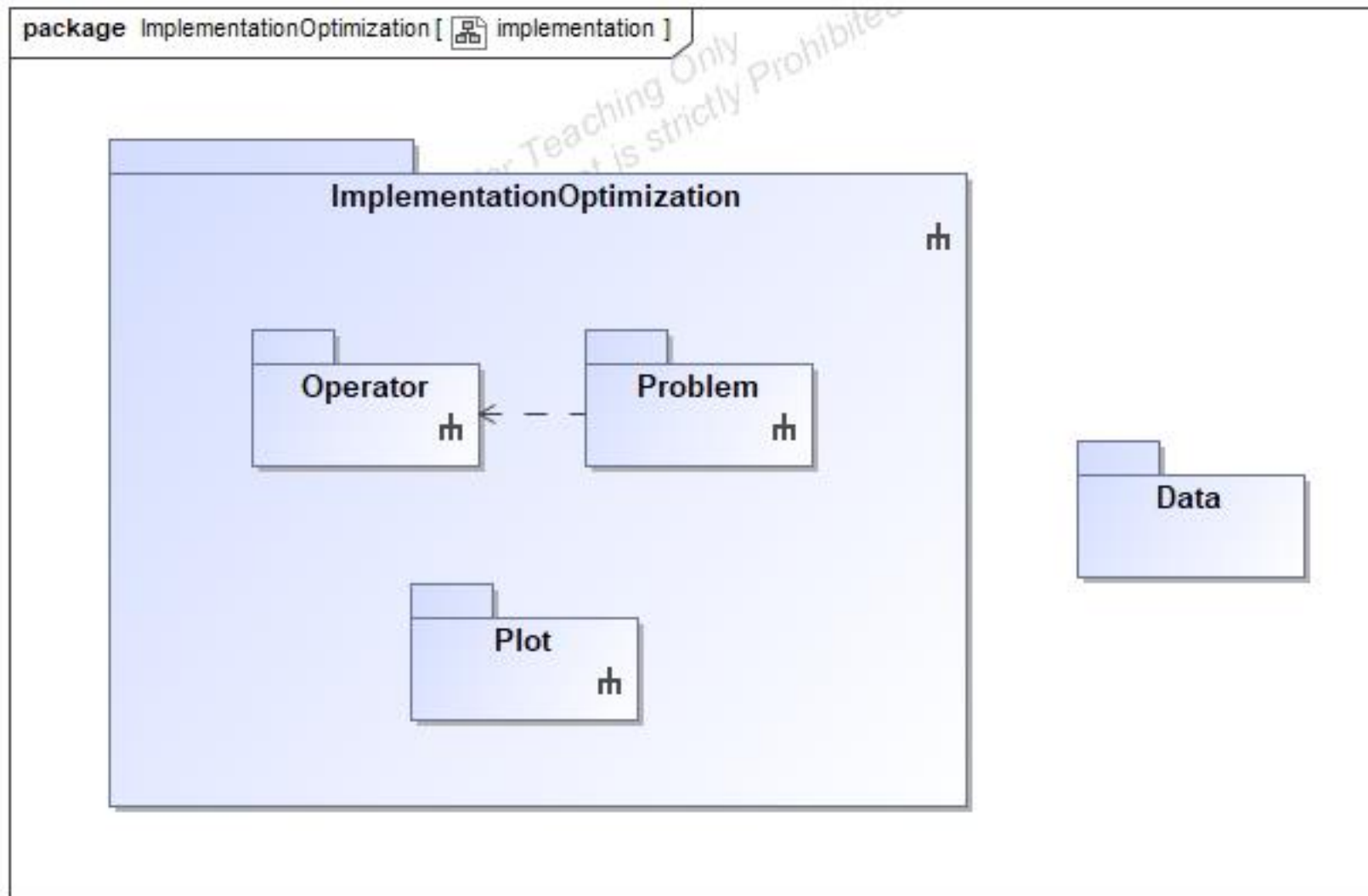
-get_cost_of_state(state : State) : int
+get_random_state(state : State) : State
+fitness_function(state : State) : float

Problem NQueens

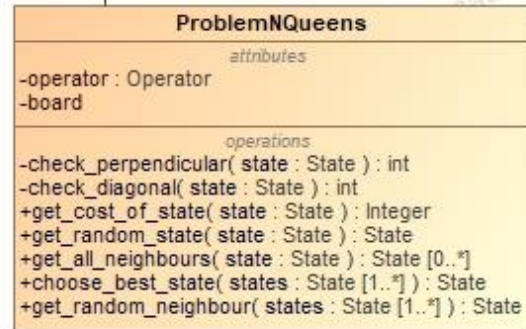
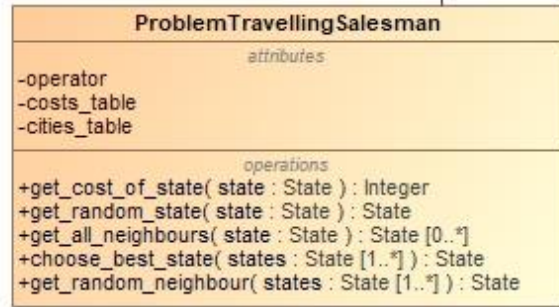
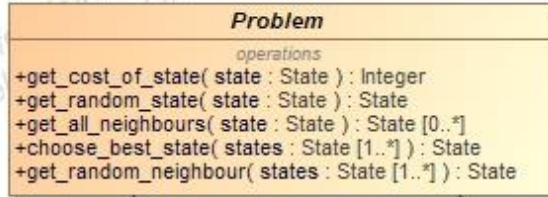
operations

-get_cost_of_state(state : State) : int
+get_random_state(state : State) : State
+fitness_function(state : State) : float

Implementação - Biblioteca de Otimização



package Problem [Problems]



package Operator [OperatorImpl]

