

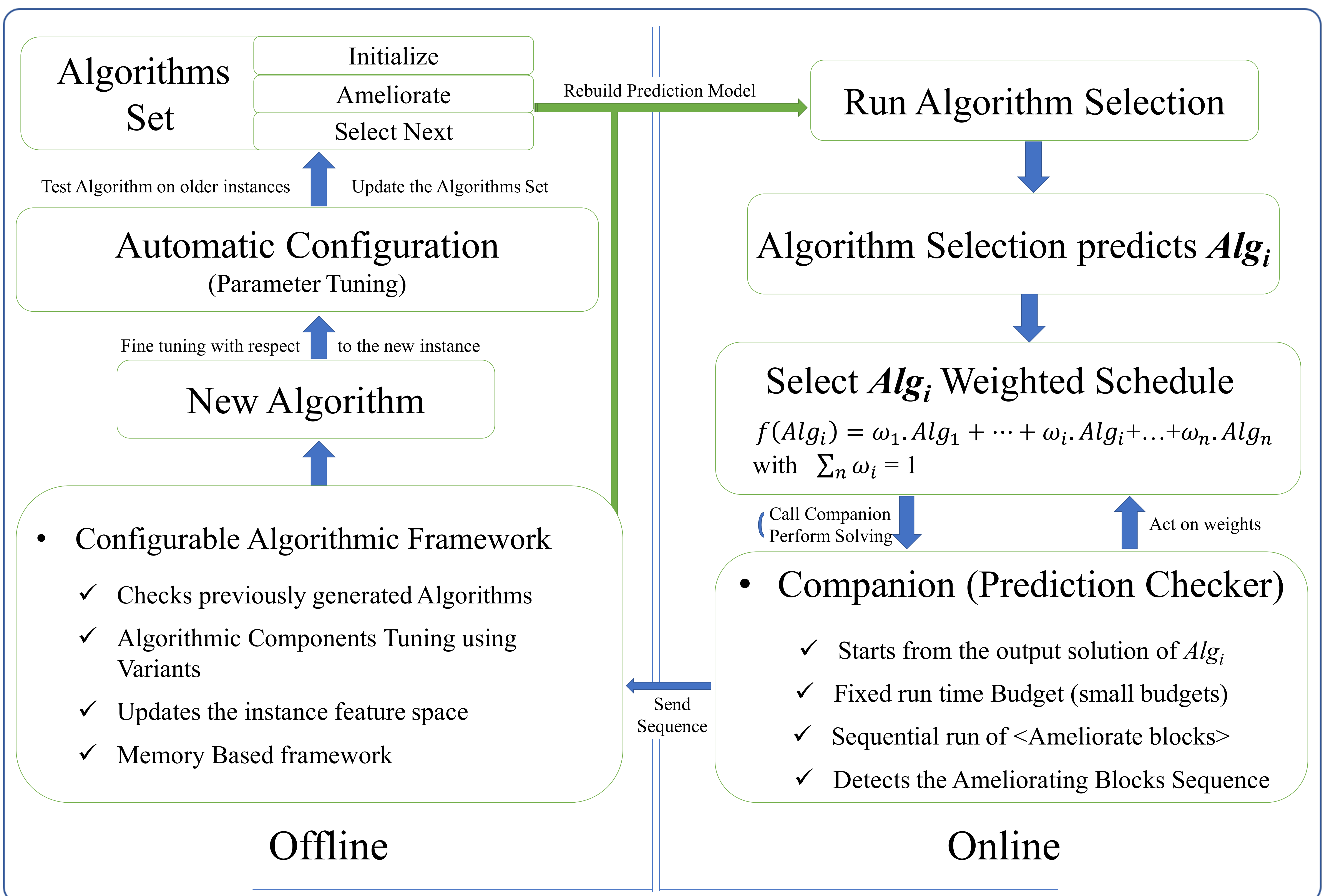
Accompanying Algorithm Selection with a Configurable Algorithmic Framework

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HIGHLIGHT

This poster describes a basic idea of a communication scheme between an Automatic Selection system and an Configurable Algorithmic Framework. The inherent problem of prediction accuracy in Automatic Selection is targeted. Indeed, the described approach tries to figure out the performance of unselected algorithms during predictions and acts on this basis to (I) enhance, if possible, the prediction output in term of quality and (II) evolve new algorithms using Automatic Configuration with the aim of exploring improved solving for new instances but also reducing the Algorithms Set size which explicitly affects the prediction system complexity

GENERAL IDEA



FORESIGHTS

- Immediate or postponed interaction with the prediction result.
- Dynamic Algorithms Set with newly built algorithms.
- The Algorithms Set is expected to be efficiently reduced.
- The AAF decides when to rebuild the prediction model of AS.
- Complete connection to the Algorithms Set.
- Autonomous Update behavior.