**BEGIN** /\* GARCH framework implementation \*/

- Receive a specific time series as an argument

- Initialize temporary variables -> *lowest AIC registered*, *Forecasted t+1 value*

*-* Define *p* range -> [1, 3]

- Define *o* range -> [0]

- Define *q* range -> [1, 3]

**FOR** *p* range size, plus 1 DO

**BEGIN**

**FOR** *o* range size, plus 1 DO

**BEGIN** /\* \*/

**FOR** q range size, plus 1 DO

**BEGIN** /\* Fitting the model with the current *{p, o, q}* combination\*/

- Fit the series to the current *{p, o, q}* combination model

- Get the resulting AIC and set its value to a *AIC temporary value*

**IF** *AIC temporary value* is less than the *lowest AIC registered* **THEN**

- *lowest AIC registered* := *AIC temporary value*

*- Calculate Forecasted t+1 value*

**END**

**END**

**END**

**RETURN** *Forecasted t+1 value*

**END**