The task is to enhance an existing MT4 indicator. The indicator is based on a Fibonacci logic and already draws swing lines. Those swings now must be differentiated into 3 different groups:

* Major Fib (code exists)
* Minor Fib (must be coded)
* Swing lines (code exists)

1. Definitions

* A swing is a movement in one direction (already coded):
  + Upswings consists of bars with HH and HL   
    (may contain inside- and / or outside-bars).
  + Downswings consists of bars with LL and LH   
    (may contain inside- and / or outside-bars).

This means swings are ended by the first bar in the opposite direction:

* + Upswing is ended by first completed bar with LL and LH.
  + Downswing is ended by first completed bar with HH and HL.
* A fib is a grid which consists of 4 lines:
  + Fib swing line: the swing being formed by the bid price ticks (already coded)
  + Fib horizontal boundary: Horizontal line starting with end of swing
  + Fib T2 high line: Normal 1.168 fibonacci target line
  + Fib T2 low line: Normal -0.618 fibonacci target line

1. Sequence

* After a major fib is completed, each following swing is a minor fib (already coded).
* Minor fibs form as long as no horizonal boundary is broken by bid price (task).
* With the first break of a horizontal boundary regular swing lines are formed (task).
* As long as no minor T2 line is broken regular swing lines are formed (task).
* With a break of a minor T2 line new minor fibs are formed (task).
* This process is endlessly ongoing until a major cycle is ended by breaking a major T2 line (already coded).
* After new major fib is created the process repeats within a new major cycle (already coded).

I will provide a detailed document helping to understand both, the logic of the existing code and the task.