I would like to make a MT5 EA. Here is the detail:

When ALL of the below **3 requirements** are achieved in a market, a buy/sell position of the market would be made.

   1) the upper OR lower Bollinger band is reached.

   -    I would like to be able to define: period, shift, deviation

   2) the upper OR lower levels of the Stochastic oscillator are reached.

   -    I would like to be able to define: %K period, %D period, price field, method, slowing & Levels

   3) NO position of the currency in my portfolio is held.

   -    *For example:*

      In my portfolio, there are 3 positions:

         ● *Buy $1 in AUD/USD*
         ● *Buy $0.5 in EUR/NZD*
         ● *Sell $1.2 in EBP/JPY*

      Then, the EA would not make any positions in AUD, USD, EUR, NZD, EBP & JPY.

   -    I would like to be able to choose whether I use this requirement.

If ALL of the above 3 requirements are achieved, **trading starts** in a market:

First of all, There are 17 customized variables (they should be available to be adjusted anytime):

   -    **A** (integer)

   -    **B** (Point)

   -    **C** (Point)

   -    **D** (Point)

- **E, F, G, H, I, J, K, L, M, N, O, P, Q** (a series of integers - it is free for a user to add or to lessen the number of integers)

When the upper Bollinger band & the upper levels of the Stochastic oscillator are reached,

1) a sell position at ($**A**/100) by market execution orders, whatever the current buy/sell prices are.
2) If the price keeps going up for every **C** points or more, a new sell position would be made at ($**A**/100) + $(**A**/200 * an sequential variable from the series of integers **E, F, … P, Q**). This practice would keep going until all integers of the series are used. If this is the case, all positions would be closed to cut loss.

3) On the other hand, if there is only one position in that market and the price goes up for **B** point, the only one position would be closed to take profit. If there are more than one position in that market and the price goes up for **D** point or more from the price of the LAST sell position, ALL sell positions would be closed.

When the lower Bollinger band & the lower levels of the Stochastic oscillator are reached, the practice is the same but, of course, sell position is changed as buy position.

All holding positions would remain if the EA is terminated manually.

A Complete example.

Let assume:

USD / JPY is 104.030 once the EA applied.

No holding position in my portfolio is in USD or JPY.

A = 1

B = 200

C =400

D = 600

(E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T) = (1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15)

- *If USD / JPY goes up from 104.030 to 104.130, the upper Bollinger band & the upper levels of the Stochastic oscillator are reached.* Then *a sell position would be made at 104.130 at $0.01, that is equal to ($**A**/100).*
- *And then USD / JPY goes down from 104.130 to 103.930, that is **B** (200), the sell position would be closed to take profit.*
- *And then USD / JPY goes up again from 103.930 to 104.500, where the upper Bollinger band & the upper levels of the Stochastic oscillator are reached again, a sell position at 104.500 at $0.01, that is equal to ($**A**/100).*
- *And then USD / JPY keeps rising from 104.500 to 104.900, that is **C** (400 points), a new sell position would be made at $0.015, that is ($**A**/100) + $(**A**/200 * **E**), keeping all sell positions.*
- *And then USD / JPY keeps rising from 104.900 to 105.300, , that is **C** (400 points), a new sell position would be made at $0.02, that is ($**A**/100) + $(**A**/200 * **F**), keeping all sell positions.*
- *And then USD / JPY keeps rising from 105.300 to 105.700, that is **C** (400 points), a new sell position would be made at $0.025, that is ($**A**/100) + $(**A**/200 * **G**), keeping all sell positions.*
- *Eventually USD / JPY goes down from 105.700 to 105.100, that is **D** (600 points),all sell positions would be closed at 105.10 to take profit.*